



National Distributors of Construction Accessories

Product Catalogue

www.bluebaybp.co.uk













Bluebay is one of the most successful specialist distributors of construction & civil engineering accessories in the UK. Our focus is on providing high quality, innovative and cost-effective solutions with a strong emphasis on product development supported by an infrastructure of 5 strategically positioned depots enabling us to provide a first class service to our customers.

We offer over 2000 specialist products many of which are stocked and delivered on a next day delivery basis to projects in the Commercial, Private Developments (mainly housing), Civil Engineering, Transportation, and Infrastructure markets.

Bluebay has its own brand of specialist technical building products which are branded as "SOLCO". The Solco range is one of the fastest growing ranges of structural Waterproofing & Gas Protection products in the UK. The products are high quality & meet UK standards whilst offering tremendous value compared to alternative brands that often get specified.

The range is stocked & distributed throughout the UK by Bluebay and consists of the following products:-

Waterproofing | Gas Protection | Building Chemicals

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|  SOLSHIELD Gas Protection Systems |  SOLSHEET Waterproofing Systems |
|  SOLCO Bentonite Waterproofing |  SOLCO Water Stops |
|  SOLDRAIN Structural Drainage |  SOLCOURSE DPC / DPM Systems |
|  SOLTEX Sealants / Foams / Fillers |  SOLSEAL Liquid Applied Systems |
|  SOLCEM Building Chemicals |  SOLCO System Components |

www.solco.co.uk

Southern Sales Office

 **0845 450 9766**



sales@bluebaybp.co.uk

Northern Sales Office

 **0845 450 9767**



www.bluebaybp.co.uk





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Lotrak® 100



| Properties | Value |
|------------------------------------------|------------------------|
| Roll Width (m) | 4.5 |
| Roll Length (m) | 100 |
| Weight (g/m ²) - EN965 | 100 |
| Tensile Strength MD - EN ISO 10319 kN/m | 8 |
| Tensile Strength CD - EN ISO 10319 kN/m | 8 |
| Permeability EN ISO 11058 (m / sec) | 130 x 10 ⁻³ |
| CBR Puncture Resistance EN ISO 12236 (N) | 1500 |

Lotrak® non-woven geotextiles are designed to provide rapid filtration, allowing water to pass into a filter drain without the carriage of fine soil particles. The opening size of the geotextile is small enough to control soil particle movement but is large enough to avoid clogging. As a result, water flow is maintained by the creation of a bridging zone to promote natural soil filtration.

Lotrak 100 Geotextile is a general purpose geotextile, designed and manufactured to conform to the Department of Transport Highways Specification for Road & Earthworks Separation. Lotrak 100 provides a cost effective solution for separation, support, reinforcement and filtration.

Lotrak® Base



| Properties | Value |
|-------------------------------------------|-----------------------|
| Roll Width (m) | 4.5 |
| Roll Length (m) | 100 |
| Tensile Strength Warp - EN ISO 10319 kN/m | 10 |
| Tensile Strength Weft - EN ISO 10319 kN/m | 9 |
| Permeability EN ISO 11058 (m / sec) | 10 x 10 ⁻³ |
| CBR Puncture Resistance EN ISO 12236 (N) | 1500 |

Lotrak® separation geotextiles are used between the sub grade and sub base. This prevents intermixing of expensive stone and other aggregates within the soil, while providing good ground stabilisation.

Designed to control particle movement of the soil, Lotrak® separators, prevent clogging while maintaining water flow by creating a bridging zone to promote natural soil filtration.

The main purpose of all Lotrak® separation geotextiles is to prevent the loss of construction gravel and aggregates into the underlying soil and/or subgrade.

The features of Lotrak Base:

- Prevents the loss of construction aggregates into the underlying soil
- Demonstrates high tensile strength and CBR properties to offer an element of protection
- As a lightweight separator, Lotrak can help reduce the carbon footprint of a project, making it an efficient and cost effective solution

The benefits of Lotrak Base:

- Proven separator performance
- Superior strength and resistance
- High mechanical strength
- Good puncture resistance
- Reduced stone requirements



Lotrak® Woven Separation

Lotrak® separation geotextiles are used between the sub grade and sub base. This prevents intermixing of expensive stone and other aggregates within the soil, while providing good ground stabilisation. Designed to control particle movement of the soil, Lotrak® separators, prevent clogging while maintaining water flow by creating a bridging zone to promote natural soil filtration. The main purpose of all Lotrak® separation geotextiles is to prevent the loss of construction gravel and aggregates into the underlying soil and/or subgrade.

Lotrak® 1800



| Properties | Value |
|------------------------------------------|---------------------|
| Roll Width (m) | 4.5 |
| Roll Length (m) | 100 |
| Tensile Strength MD - EN ISO 10319 kN/m | 12 |
| Tensile Strength CD - EN ISO 10319 kN/m | 12 |
| Permeability EN ISO 11058 (m / sec) | 18×10^{-3} |
| CBR Puncture Resistance EN ISO 12236 (N) | 1800 |

Lotrak® 1800 is commonly used for stabilisation at the base of major highway schemes and large paved areas such as car parks, driveways and cycle paths. The main purpose of this geotextile is to prevent the loss of construction gravel and aggregates into the underlying soil.

Lotrak® 2300



| Properties | Value |
|------------------------------------------|---------------------|
| Roll Width (m) | 4.5 |
| Roll Length (m) | 100 |
| Tensile Strength MD - EN ISO 10319 kN/m | 21 |
| Tensile Strength CD - EN ISO 10319 kN/m | 17 |
| Permeability EN ISO 11058 (m / sec) | 22×10^{-3} |
| CBR Puncture Resistance EN ISO 12236 (N) | 2600 |

Lotrak® 2300 is a woven polypropylene geotextile used as an excellent separator fabric for a wide range of civil engineering applications. The main purpose of this geotextile is to prevent the loss of larger construction aggregates into the underlying subgrade. Lotrak® 2300 is typically used at the base of major highway schemes and large paved areas such as car parks.

Lotrak® 2800



| Properties | Value |
|------------------------------------------|---------------------|
| Roll Width (m) | 4.5 |
| Roll Length (m) | 100 |
| Tensile Strength MD - EN ISO 10319 kN/m | 22 |
| Tensile Strength CD - EN ISO 10319 kN/m | 21 |
| Permeability EN ISO 11058 (m / sec) | 20×10^{-3} |
| CBR Puncture Resistance EN ISO 12236 (N) | 2800 |

Lotrak® 2800 is a woven polypropylene geotextile with superior strength for use in a wide range of civil engineering applications. Lotrak® 2800 is commonly used at the base of major highway schemes, sports arenas and large paved areas such as car parks. The main purpose of this geotextile is to prevent the loss of larger construction aggregates into the underlying subgrade.

Lotrak® Non-Woven

Lotrak® non-woven geotextiles are designed to provide rapid filtration, allowing water to pass into a filter drain without the carriage of fine soil particles. The opening size of the geotextile is small enough to control soil particle movement but is large enough to avoid clogging. As a result, water flow is maintained by the creation of a bridging zone to promote natural soil filtration.

The features of Lotrak Non-Woven:

- Prevents the loss of construction aggregates into the underlying soil
- Demonstrates high tensile strength and CBR properties to offer an element of protection
- As a lightweight separator, Lotrak can help reduce the carbon footprint of a project, making it an efficient and cost effective solution

The benefits of Lotrak Non-Woven:

- Proven separator performance
- Superior strength and resistance
- High mechanical strength
- Good puncture resistance
- Reduced stone requirements



Lotrak® 80 / 100 & 140 are mechanically bonded non-woven geotextiles and are an effective separator beneath selected granular materials, and for lining French or narrow trench drains.

Lotrak® 200 & 300 are mechanically bonded needlepunched nonwoven geotextile which withstands the use of larger varieties of granular materials whilst retaining an effective filtration capability. Lotrak® 200 is also an ideal filtration geotextile when used in conjunction with an installed crate infiltration Sustainable Urban Drainage System (SUDS).

Lotrak® 200 & 300 are approved by Network Rail (Certificate of Acceptance PA05/06066) for drainage applications such as pipe or trench wrap and conforms to NR/SP/TRK/010 'Geotextiles'. (PADS Number: 057/101450 & 057/101451)

Lotrak® HF550 is a woven polypropylene geotextile, which allows high flow filtration in a wide range of civil engineering applications. The main purpose of this geotextile is to provide rapid filtration most commonly in drains and trenches

| Filtration & Drainage Properties | 80 | 100 | 140 | 200 | 300 | HF550 |
|-----------------------------------------------------------------|-----------------------------------------------------|------|------|------|------|-------|
| Tensile Strength MD - EN ISO 10319 kN/m | 6 | 8 | 12 | 18 | 25 | 22 |
| Tensile Strength CD - EN ISO 10319 kN/m | 6 | 8 | 12 | 18 | 25 | 19 |
| Elongation at Max. Load (%) MD - EN ISO 10319 | 36 | 45 | 45 | 50 | 65 | 22 |
| Elongation at Max. Load (%) CD - EN ISO 10319 | 42 | 45 | 45 | 50 | 65 | 18 |
| CBR Puncture Resistance EN ISO 12236 (N) | 1050 | 1500 | 2000 | 2900 | 4300 | 2700 |
| Cone Drop Penetration (mm) EN 918 | 48 | 36 | 26 | 18 | 13 | 13 |
| Pore Size 90% Finer than (microns) EN ISO 12956 | 128 | 100 | 90 | 70 | 70 | 450 |
| Permeability EN ISO 11058 (m / sec) (x10 ⁻³)(m/sec) | 144 | 130 | 110 | 80 | 65 | 80 |
| Effect of UV Light | The polypropylene (PP) used contains a UV inhibitor | | | | | |
| Roll Width (m) | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 |
| Roll Length (m) | 100 | 100 | 100 | 100 | 100 | 100 |



Lotrak® Biaxial Geogrids

Lotrak® biaxial geogrids provide ground stabilisation and reinforcement, in a wide range of civil engineering projects. Through the products interlock mechanism, the geogrid is specifically designed to control movement of aggregate materials.

The use of a geogrid results in a reduction in the quantity of required fill material, by increasing the bearing capacity of the underlying ground, offering performance and cost benefits to the project. High strength, combined with low elongation provides effective reinforcement.

The aperture design of the geogrid allows the aggregate to interlock and encourages load dispersal, particularly in applications such as unpaved roads.



The features of Lotrak Geogrids:

- The high strength and with low elongation of Lotrak® provides effective ground reinforcement
- The aperture design of Lotrak® geogrids enables aggregate materials to interlock and encourages load dispersal
- Lotrak® geogrids are manufactured under ISO Quality Management and the Construction Products Regulation

The benefits of Lotrak Geogrids:

- Excellent Soil & Aggregate Confinement
- High Tensile Strength
- High-performance Reinforcement
- Cost Effective Design Component



| Filtration & Drainage Properties | 20/20S | 30/30S | 40/40S | 30/30L |
|-----------------------------------------------------|-----------------------------------------------------|--------|--------|--------|
| Tensile Strength MD - EN ISO 10319 kN/m | 20 | 30 | 40 | 30 |
| Tensile Strength CD - EN ISO 10319 kN/m | 20 | 30 | 40 | 30 |
| Tensile Strength at 2% Strain MD - EN ISO 10319 (%) | 7 | 10 | 14 | 10 |
| Tensile Strength at 2% Strain CD - EN ISO 10319 (%) | 8 | 10 | 14 | 9 |
| Tensile Strength at 5% Strain MD - EN ISO 10319 (%) | 15 | 21 | 25 | 21 |
| Tensile Strength at 5% Strain CD - EN ISO 10319 (%) | 17 | 23 | 29 | 20 |
| Elongation at Max. Load (%) MD - EN ISO 10319 | 12 | 12 | 10 | 10 |
| Elongation at Max. Load (%) CD - EN ISO 10319 | 9 | 9 | 9 | 9 |
| Grid Opening Size (mm) | 40x40 | 40x40 | 40x40 | 60x60 |
| Effect of UV Light | The polypropylene (PP) used contains a UV inhibitor | | | |
| Roll Width (m) | 4.5 | 4.5 | 4.5 | 4.5 |
| Roll Length (m) | 100 | 100 | 100 | 100 |

Lotrak® Reinforcement & Erosion Control

All Lotrak® reinforcing & erosion control geotextiles are designed to provide effective reinforcement to weak sub grades, absorbing stresses caused by heavy traffic and control erosion by creating a barrier between the water, the soil and rock particles.

Separating the coast or river bank from the corrosive effects of the water, Lotrak® prevents soil and rock particles being dislodged and transported back into the sea or down river. Rain can also cause surface or hill slope erosion; however, Lotrak® geotextiles can control the flow of water into the soil, helping to avoid landslips. Lotrak® erosion control geotextiles are also used as temporary covers while hillside vegetation is established.



Dependent on the specific site requirements, Lotrak® reinforcing geotextiles act as the reinforcement, separator and filtration membrane to provide all functions in one geotextile. This eliminates the need for multiple products and offers clear cost benefits.

| Filtration & Drainage Properties | 25R | 50R | 70R |
|-----------------------------------------------------|-----------------------------------------------------|------|------|
| Tensile Strength MD - EN ISO 10319 kN/m | 26 | 52 | 74 |
| Tensile Strength CD - EN ISO 10319 kN/m | 26 | 52 | 72 |
| Tensile Strength at 5% Strain MD - EN ISO 10319 (%) | 16 | 25 | 55 |
| Tensile Strength at 5% Strain CD - EN ISO 10319 (%) | 16 | 45 | 55 |
| Elongation at Max. Load (%) MD - EN ISO 10319 | 9 | 11 | 9 |
| Elongation at Max. Load (%) CD - EN ISO 10319 | 9 | 8 | 7 |
| CBR Puncture Resistance EN ISO 12236 (N) | 3200 | 6000 | 9200 |
| Effect of UV Light | The polypropylene (PP) used contains a UV inhibitor | | |
| Roll Width (m) | 5 | 5 | 5 |
| Roll Length (m) | 100 | 100 | 100 |

Lotrak® High Visibility

Highly visible, Lotrak® Alarm18 has been specifically developed as contaminated ground warning or marker geomembrane. Designed to complement the existing Lotrak® range and with increasing demand for good building land, reclamation of industrial zones is becoming more common place, potential hazards are now often buried and contained underground as an alternative to removal. Good environmental construction practice utilises Lotrak® Alarm18 to notify future contractors and excavators of these hidden hazards.

Lotrak® Alarm 18



| Properties | Value |
|------------------------------------------|---------------------|
| Roll Width (m) | 4.5 |
| Roll Length (m) | 100 |
| Tensile Strength MD - EN ISO 10319 kN/m | 12 |
| Tensile Strength CD - EN ISO 10319 kN/m | 12 |
| Permeability EN ISO 11058 (m / sec) | 18×10^{-3} |
| CBR Puncture Resistance EN ISO 12236 (N) | 1800 |



Solsheet 500 Attenuation Systems (SUDS)



| Properties | SUD3050 | SUD3025 |
|----------------------|-----------|-----------|
| Panel Size (mm) | 500 x 500 | 500 x 250 |
| Panel Thickness (mm) | 30 | 30 |

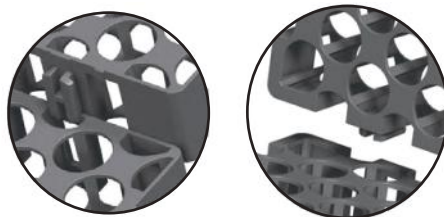
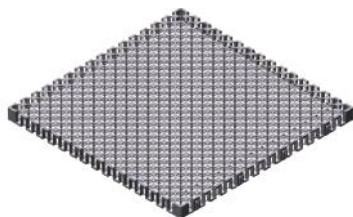
Underground sustainable drainage solution is a modular, interlocking sub-soil drainage system. It is a lightweight, high strength, plastic moulded structural panel that provides extremely efficient drainage due to a combination of substantial void areas and exceptional flow rate.

The SUDS system is simple to install and may be used for infiltration and attenuation control. The integral jointing clip ensures that there is a positive interlocking action between all panels whether used for sheet or tank constructions.

How SUDS Works

Surging water is controlled when it enters the interlocking panel structure and is temporarily stored.

When a permeable geotextile is used to envelope the panel structure, the stored water will gradually infiltrate into the surrounding ground, subject to soil permeability.



If an impermeable geomembrane is used, the stored water will remain within the panel, structure until the outflow control is activated. modules and half modules.

Typical applications areas:

- Green roof and landscaped decks
- Paved areas and roadways
- Sports fields
- Retaining/basement walls
- Pond filtration
- Bridge abutments
- Tunnels and landfills
- Golf courses

The benefits of a SUDS System:

- Design Flexibility - Greater design flexibility as the modules may be interlocked to form continuous large panels, conduits and tanks.
- Easy Installation - Large easy to join modules or pre-assembled panels allow rapid installation.
- Lightweight and High Strength
- Durable - modules are resistant to biological attack
- Efficient - High surface and internal void volume results in efficient drainage



Solsheet 500 Stormwater Membranes



Applications:

- Residential
- Industrial estates
- Sports pitches
- Car parks
- Roofs
- Basements
- Pedestrian areas
- Rainwater harvesting

| Stormwater Product Selector - Environment | 500 | 500HP | 500HC |
|------------------------------------------------|-----|-------|-------|
| Permeable paving and landscaping projects | Yes | | |
| Domestic application (max 2 SUDS high) | Yes | | |
| Commercial application (more than 2 SUDS high) | | Yes | Yes |
| High water table environments | | Yes | Yes |
| Gas contaminated environments | | | Yes |

| Properties | Solsheet 500 | Solsheet 500 HP | Solsheet 500 HC |
|-------------|----------------------|----------------------|----------------------|
| Length | 12.5m | 35m | 35m |
| Width | 4m | 2.5m | 2.5m |
| Thickness | 0.5mm | 1.0mm | 1.0mm |
| Mass | 460 g/m ² | 939 g/m ² | 939 g/m ² |
| Roll Weight | 23Kg | 80.5Kg | 80.5Kg |

Solsheet 500 stormwater membranes have been specially designed and tested for use with underground stormwater storage systems.

Solsheet 500 attenuation membrane is a 2000 gauge thick polypropylene geomembrane which is suitable for use in a range of SUDS and permeable block paving systems. Solsheet 500 attenuation membrane is resistant to puncture, it combines excellent chemical resistance with low flexural modulus to provide a flexible membrane suitable for rough surfaces to optimise on-site installation

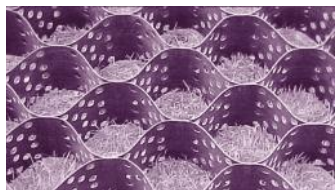
Solsheet 500 HP attenuation membrane is a high performance 1mm thick geomembrane which is suitable for commercial applications when used in conjunction with a range of SUDS and permeable block paving systems and high water table environments. Solsheet 500 HP is resistant to puncture, it combines excellent chemical resistance with low flexural modulus to provide a flexible membrane suitable for rough surfaces to optimise on-site installation

Solsheet 500 HC attenuation membrane is a high performance gas resistant 1mm thick geomembrane which is suitable for commercial applications when used in conjunction with a range of SUDS, permeable block paving systems, high water table and gas contaminated environments. Solsheet 500 HP is resistant to puncture, it combines excellent chemical resistance with low flexural modulus to provide a flexible membrane suitable for rough surfaces to optimise on-site installation

The benefits of a Solsheet 500:

- Essential for type C permeable systems
- Minimise risk of sub grade softening
- Joints can be taped or welded
- Durable under hydrostatic pressure
- Good tear and puncture resistance.
- Excellent tensile strength.

| Stormwater Accessories | Size |
|-------------------------------------|-------------|
| Solco Double Sided Jointing Tape | 100mm x 10m |
| Solco Double Sided Jointing Tape | 50mm x 10m |
| Solco XL Reinforcement Tape | 150mm x 20m |
| Solco Preformed Top Hat Unit | Various |
| Solco SP30 Protection Fleece | 6m x 110m |
| Solco HD Protection Sheet (2m x 1m) | 3mm thick |

**Typical applications areas:**

- Channel Protection
- Slope Protection
- Road Base Stabilisation
- Retaining Walls

Cellular Confinement Systems

The cellular confinement system designed as the perfect solution for where a road, access route or driveway is required. The system not only stabilises the ground. The cellular system is supplied flat packed and is easily opened to form the cell structure and is simply pinned to the ground.

The cellular system confines fill material within its strong yet flexible cell structure in order to provide a stable base for traffic, the geotextile material is permeable and allows lateral movement of air and water.

Available in four depths, 75mm, 100mm, 150mm & 200mm.

**Typical applications areas:**

- Retaining walls
- River Training
- Erosion Control
- Landscaping
- Flood Protection

Gabions & Mattresses

Bluebay Welded Mesh Gabions and mattresses provide strong and aesthetically pleasing solutions to many of today's erosion control, protection and retaining structure problems.

Welded Mesh Gabions and mattresses are manufactured from 75mm x 75mm welded mesh. Protective coating is either Triple life by the Galfan process or Fusion PVC coated by the Masterplax process. Gabions and mattresses are available in many different sizes to suit individual requirements.

**Typical applications areas:**

- Over Spill Car Parks
- Emergency Access Lanes
- Verge Reinforcement
- Erosion Control
- Run-off volume reduction
- Flow attenuation
- Pollution prevention: a. Sediment control, b. Nutrient loading

Porous Paving Systems

The Bluebay Porous Paving System is lightweight and easy to assemble due to the simple interlocking system. No special tools are required.

The product can follow odd shapes or profiles, and excess cells may be simply cut with pruning shears.

The strong and durable units form an integrated grid structure that is resistant to soil movement or shearing under pressure.

More than 90% of the grid base area is unrestricted, allowing turf roots to anchor to the base course below.

The high cells, when fitted with soil media, enhance vigorous turf root development. Notches in the cell walls allow grass runners and roots to grow without restriction.



SolGrid Cellular Paving System



Typical applications areas:

- Pathways & driveways
- New & overflow car parks
- Ground reinforcement / stabilisation
- Integration into (SUDS)
- Pedestrian access ways
- Access roads and roadways
- Event parking
- Road extensions and widening
- Fire and emergency routes
- Infiltration basins
- Depot storage areas
- Helicopter landing pads

| Properties | | |
|---------------------------|---------------------------------|-----------------|
| Material | Low Density Polyethylene (LDPE) | |
| Size | 495mm x 495mm x 40mm | |
| Weight per grid | Standard - 1.1kg | Premium - 1.6kg |
| Weight per m ² | Standard - 4.4kg | Premium - 6.4kg |

Solgrid cellular paving system enables the fast and efficient implementation of ground reinforcement and stabilisation. The cellular design of the grids allows the dispersion of excess rain or flood water which makes it ideal for integration with Sustainable Urban Drainage Systems (SUDS) and in areas prone to flooding or with water dispersion problems.

Manufactured 100% recycled polyethylene, Solgrid features an effective and simple interlocking design for fast and efficient installation.

The grids can be lifted directly from the pallet as pre-connected 1m² sections and can be easily cut to form shapes around obstacles such as planters or posts.



Economat - Reusable Temporary Access and Ground Protection Solution



Typical applications areas:

- Multi use construction board
- Pedestrian walkways
- Temporary roadways
- Spoil and waste storage
- Dry storage for building materials
- Bulk aggregate storage
- Protective upstands
- Protection against spillages

| Properties | |
|------------|------------------------------------------------|
| Material | 100% Re-cycled Low Density Polyethylene (LDPE) |
| Size | 2410mm x 1200mm x 11mm |
| Weight | 32kg |

Economat has been specifically developed as an effective and efficient alternative to construction plywood providing a low cost, easy to deploy and reusable temporary access and ground protection solution. Economat is a safer and more economic alternative for construction than plywood.

Economat is resistant to adverse weather and is made from 100% recycled low density polyethylene (LDPE). Economat is a multi use board and can be re-used time and again providing considerable long term cost savings over plywood.

Economat is easy to handle and simple to deploy. With a range of connection options, Economat can be joined to form roads, walkways and storage depot areas and with the option of a traction, or smooth surface,



Weed Suppression Fabric



Weed suppression fabric works by establishing a breathable membrane barrier through which weeds cannot penetrate.

Weed suppression fabric allows air and liquids through, creating a healthy fertile soil available only to your chosen plants.

Weed suppression fabric has a hydrophilic treatment allowing liquids to pass through immediately.

The addition of a mulch is necessary to ensure the success of the weed suppression fabric.

| Properties | |
|--------------------------|-------|
| Roll Width | 1m |
| Roll Length | 15m |
| Mass (g/m ²) | 50g |
| Roll Weight | 7.5Kg |

| Area | Product | Benefits |
|------------------------|--------------------------------------------------------------|-----------------------------------------------------------------------------|
| Light permeable | Less than 3.0% Insufficient light for plant growth | More effective product, Less mulch required, saving customer time and money |
| Application of product | Soft membrane follows contours of land | Much easier to apply for the user |
| Product structure | Even distribution of fibres | Guarantees no weeds will penetrate the membrane |
| Porosity | Hydrophilic treated so that liquids pass through immediately | Customers will not complain that the product has caused 'Puddling' |



SOLCOURSE Newt Barrier



Solcourse Newt Barrier can be used as temporary fencing (using a simple post and rail system) to either exclude, or contain newts, frogs, snakes, and other small animals thereby protecting them from entering hazardous areas.

Solcourse Newt Barrier fences conform to the CIRIA "Wildlife Fencing Design Guide" and English Nature "Great Crested Newt Mitigation Guidelines" criteria.

Manufactured from 1000 gauge 2% UV stabilised polythene LDPE with a green tint.

| Properties | |
|-------------|--------------------|
| Roll Width | 1m |
| Roll Length | 100m |
| Thickness | 250mu / 1000 Gauge |
| Roll Weight | 23Kg |

The Benefits of Solcourse Newt Barrier:

- Effective barrier against Newts and other small wildlife entering construction sites
- Tough plastic sheeting
- UV Stabilisers to prevent weathering and maintain performance
- The smooth surface makes the barrier difficult to climb



SOLSHIELD Geomembrane Ultra



Solshield Geomembrane Ultra is made with a triple coated low density polyethylene (LDPE), reinforced with armor inner lining of high density polyethylene (HDPE). The geomembrane is UV stabilised.

Solshield Geomembrane Ultra has very high strength properties in relation to its low weight and nominal thickness, and displays equivalent or superior tensile strength, and puncture resistance properties of traditional membranes more than three times its thickness.

Typical applications areas:

- Temporary / final landfill capping
- Biogas covers
- Ore covers
- Containment areas
- Remediation liners and covers
- Japanese knotweed and root barriers
- Hydrocarbon barriers
- Stockpile covers
- Lagoon / pond / ditch liners

Solshield Geomembrane Ultra is water and gas proof, UV stabilised for a minimum of 5 years, resistant to rot, mildew and most chemicals and has a minimum service life of 25 years once buried.

Solshield Geomembrane Ultra is supplied in a range of thicknesses which includes 0.4mm, 0.6mm and 0.8mm

| Properties | Ultra240 | Ultra380 | Ultra700 | Test Method |
|--------------------------------|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|--------------------|
| Weight | 240 [g/m ²] | 380 [g/m ²] | 700 [g/m ²] | UNI EN 1849-2 |
| Thickness | 0.4 [mm] | 0.6 [mm] | 0.8 [mm] | UNI EN 1849-2 |
| Tensile strength MD | 16 [kN/m] | 28 [kN/m] | 38 [kN/m] | UNI EN ISO 527-4 |
| Tensile strength CMD | 15 [kN/m] | 26 [kN/m] | 36 [kN/m] | UNI EN ISO 527-4 |
| Elongation at maximum load MD | 29 [%] | 30 [%] | 38 [%] | UNI EN ISO 527-4 |
| Elongation at maximum load CMD | 38 [%] | 24 [%] | 25 [%] | UNI EN ISO 527-4 |
| Static puncture resistance | 2.7 [kN] | 4.3 [kN] | 7.1 [kN] | UNI EN ISO 12236 |
| Shear strength of joints | 553 [N] | 964 [N] | 1612 [N] | UNI EN ISO 12317-2 |
| Temperature resistance (Range) | - 30° ≤ T°C ≤ 70° | - 30° ≤ T°C ≤ 70° | - 30° ≤ T°C ≤ 70° | - |
| UV resistance (Grade) | Above 5% (life exp. >5 years) | Above 5% (life exp. >5 years) | Above 5% (life exp. >5 years) | DIN 54004 |
| Liquid permeability | < 10-6 [m ³ ·m-2·d-1] | < 10-6 [m ³ ·m-2·d-1] | < 10-6 [m ³ ·m-2·d-1] | UNI EN 14150 |
| Gas tightness | < 40·10-6[m ³ m-2 d-1] | < 40·10-6[m ³ m-2 d-1] | < 40·10-6[m ³ m-2 d-1] | ASTM D 1434 |
| Resistance to weathering | Variation of tensile strength & tensile elongation ≤ 25% | Variation of tensile strength & tensile elongation ≤ 25% | Variation of tensile strength & tensile elongation ≤ 25% | UNI EN 12224 |
| Resistance to oxidation | Variation of tensile strength & tensile elongation ≤ 25% | Variation of tensile strength & tensile elongation ≤ 25% | Variation of tensile strength & tensile elongation ≤ 25% | UNI EN 14575 |



SOLSHIELD Geomembrane Liner

Solshield Geomembrane Liner is made of a linear low density polyethylene (LLDPE), suitable for use as a lining membrane in both horizontal & vertical applications.

Solshield Geomembrane Liner is manufactured in two basic roll widths - 5.1m and 8.0m. Available in thicknesses ranging from 0.75mm - 2.0mm.

The main purpose of the product is to serve as a barrier in protecting engineering structures against moisture, water, liquids and chemical substances, gases (radon, methane and carbon dioxide).

Typical applications areas:

- Civil engineering projects (municipal/urban structures, industrial and agricultural estates)
- Insulation of various hydraulic structures, water resources engineering (ponds, lakes, dams, canals and reservoirs)
- Liquid & solid waste deposits/reservoirs, landfills (capping), wastewater collectors, dewatering pits

Installation

We recommend joint welding for certain applications however the membrane can be taped.

Ensure surfaces are clean and dry before applying tapes. Roll out Solco 100mm x 10m Butyl tape 50mm in from the membrane edge. Overlap adjoining membrane a minimum of 150mm and seal edge with Solco 150mm x 20mt XL Reinforcement Tape .

In complex junctions, penetrations and terminations to existing structures you should also apply Solco 150mm x 20mt XL Reinforcement Tape ensuring a minimum of 150mm lap onto the membrane is achieved.

| Properties | Test method | Unit | Thickness | | |
|----------------------------------------------|----------------------------|----------------|-----------------------------------|------------|--------|
| | | | 0.75 | 1.00 | 1.50 |
| Surface | | | smooth (G/G) | | |
| Thickness (min. ave.) | ASTM D 5199 | mm | 0.75 | 1.0 | 1.5 |
| • lowest individual of 10 values | | | - 10 % | - 10 % | - 10 % |
| Density (max.) | ASTM D 1505 | g/cm3 | 939 | 939 | 939 |
| Tensile Properties (min. ave.) | ASTM D 6693 type IV | kN/m | 20 | 32 | 40 |
| • break strength | | | | | |
| • break elongation | | % | 800 | 800 | 800 |
| 2 % Modulus (max.) | ASTM D 5323 | kN/m | 370 | 400 | 350 |
| Tear Resistance (min. ave.) | ASTM D 1004 | N | 100 | 130 | 180 |
| Puncture Resistance (min. ave.) | ASTM D 4833 | N | 200 | 380 | 420 |
| Axi-Symmetric Break Resistance Strain (min.) | ASTM D 5617 | % | 30 | 30 | 30 |
| Carbon Black Content | ASTM D 1603 | % | 2 - 3 | 2 - 3 | 2 - 3 |
| Carbon Black Dispersion | ASTM D 5596 | Category | 1 or 2, max. 1 view in category 3 | | |
| Oxidative Induction Time (OIT) (min. ave.) | ASTM D 3895 | min. | 100 | 100 | 100 |
| • Standard OIT | | | | | |
| Oven Aging at 85 °C | ASTM D 5721 ASTM D 3895 | % | 35 | 35 | 35 |
| • Standard OIT (min. ave.) | | | | | |
| % retained after 90 days | | | | | |
| STANDARD ROLL DIMENSIONS | | | | | |
| Roll Length | | m | 100 | 100 - 200 | 150 |
| Roll Width | | m | 5.10 | 8.00 | 8.00 |
| Roll Area | | m ² | 510 | 800 - 1600 | 1200 |



SOLSHIELD Geomembrane Liner (HDPE)

Solshield Geomembrane Liner is made of high-density polyethylene (HDPE), suitable for use as a lining membrane in both horizontal & vertical applications.

Solshield Geomembrane Liner is manufactured in two basic roll widths - 5.1m and 8.0m.

Available in thicknesses ranging from 0.75mm - 3.0mm.

The main purpose of the product is to serve as a barrier protecting various engineering structures against moisture, water, liquids and chemical substances, gases (radon, methane and carbon dioxide).

Typical applications areas:

- Civil engineering projects (municipal/urban structures, industrial and agricultural estates)
- Insulation of various hydraulic structures, water resources engineering (ponds, lakes, dams, canals and reservoirs)
- Liquid & solid waste deposits/reservoirs, landfills (capping), wastewater collectors, dewatering pits

Installation

We recommend joint welding for certain applications however the membrane can be taped.

Ensure surfaces are clean and dry before applying tapes. Roll out Solco 100mm x 10m Butyl tape 50mm in from the membrane edge. Overlap adjoining membrane a minimum of 150mm and seal edge with Solco 150mm x 20mt XL Reinforcement Tape .

In complex junctions, penetrations and terminations to existing structures you should also apply Solco 150mm x 20mt XL Reinforcement Tape ensuring a minimum of 150mm lap onto the membrane is achieved.

| Properties | Test method | Unit | Thickness | | | | | |
|-------------------------------------------------------------------------------|----------------------------|----------------|-----------------------------------|--------|--------|--------|--------|--------|
| | | | 0.75 | 1.00 | 1.50 | 2.00 | 2.50 | 3.00 |
| Surface | | | smooth (G/G) | | | | | |
| Thickness (min. ave.) | ASTM D 5199 | mm | 0.75 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 |
| • lowest individual of 10 values | | | - 10 % | - 10 % | - 10 % | - 10 % | - 10 % | - 10 % |
| Density (max.) | ASTM D 1505 | g/cm3 | 940 | 940 | 940 | 940 | 940 | 940 |
| Tensile Properties (min. ave.) | ASTM D 6693 typ IV | | | | | | | |
| • yield strength | | kN/m | 12 | 19 | 26 | 35 | 40 | 45 |
| • break strength | | kN/m | 24 | 35 | 40 | 54 | 70 | 80 |
| • yield elongation | | % | 12 | 12 | 12 | 12 | 12 | 12 |
| • break elongation | | % | 750 | 750 | 750 | 750 | 750 | 750 |
| Tear Resistance (min. ave.) | ASTM D 1004 | N | N | 95 | 130 | 195 | 270 | 340 |
| Puncture Resistance (min. ave.) | ASTM D 4833 | N | N | 280 | 380 | 550 | 690 | 850 |
| Stress Crack Resistance | ASTM D 5397 | hr. | 300 | 300 | 300 | 300 | 300 | 300 |
| Carbon Black Content | ASTM D 1603 | % | 2 - 3 | 2 - 3 | 2 - 3 | 2 - 3 | 2 - 3 | 2 - 3 |
| Carbon Black Dispersion | ASTM D 5596 | Category | 1 or 2, max. 1 view in category 3 | | | | | |
| Oxidative Induction Time (OIT) (min. ave.) | ASTM D 3895 | min. | 100 | 100 | 100 | 100 | 100 | 100 |
| • Standard OIT | | | | | | | | |
| UV Resistance | ASTM D 5885 | % | - | - | - | - | - | - |
| • High Pressure OIT (min. ave.) % retained after 1600 hrs | | | | | | | | |
| Oven Aging at 85 °C • Standard OIT (min. ave.) % retained after 90 days | ASTM D 5721 ASTM D 3895 | % | 55 | 55 | 55 | 55 | 55 | 55 |
| STANDARD ROLL DIMENSIONS | | | | | | | | |
| Roll Length | | m | 250 | 200 | 150 | 120 | 100 | 85 |
| Roll Width | | m | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 |
| Roll Area | | m ² | 2000 | 1600 | 1200 | 960 | 800 | 680 |



Clayboard® Residential & Commercial



| Properties | | | | |
|---------------------|----------|----------|----------|----------|
| Sheet Size | 2.4 x 1m | 2.4 x 1m | 2.4 x 1m | 2.4 x 1m |
| Clayboard Thickness | 160 | 110 | 85 | 60 |
| Void Size | 150 | 100 | 75 | 50 |
| Shrinkage | High | Med | Med | Low |

Clayboard® Residential & Commercial are unique, environmentally friendly void formers and foundation system to protect against clay heave and ground movement. Clayboard® has a 100% recycled and biodegradable paper honeycomb core set between lightweight polypropylene facings which have up to 70% recycled material content. When dry, Clayboard® is strong enough to support the weight of wet concrete and steel reinforcement.

Water is introduced to the Clayboard® core once the concrete slab or beam is set, degrading the Clayboard® honeycomb centre which will ultimately lead to the creation of a void and clay heave protection. This space will accommodate clay expansion without exerting undue pressure on the structure above. The resulting void continues to accommodate natural soil shrinkage and expansion.

Clayboard® is available in two standard strengths, Residential (KN30) and Commercial (KN90). Clayboard Residential has a nominal compressive strength of 30kN/m² when dry and is designed to support the weight of wet concrete up to 1m thick. Clayboard Commercial has a nominal compressive strength of 90kN/m² when dry and is recommended for concrete slabs thicker than 1m. When the core is wetted, both KN30 and KN90 Clayboard® will collapse under nominal compressive load of approximately 3kN/m².

The Features & Benefits of Clayboard:

- Helps prevent structural building damage caused by ground movement
- A Commercial and a Residential Clayboard to suit all applications
- Up to 50% slimmer than other comparable products, saving on soil excavation / removal
- Exerts virtually no pressure on ground slabs preserving building integrity
- Unique Honeycomb core creates calculable void without compression
- Methane is not produced by the strategic de-generation of the Honeycomb fibres
- Made from 100% Recycled Material
- Ideal for retrofit underpinning
- BBA Certified to comply with NHBC Standards (Clayboard Residential only).
- Reducing the carbon footprint with a slim and lightweight product
- Environmentally Friendly
- Lightweight
- Clayboard Residential is a cost effective for residential budgets

VOIDPAK System

| The Voidpak System which comprises: | |
|-------------------------------------|---------------------------------------------------------------------------|
| Pipes | 32mm diameter pre-shaped with fixed flange length to suit slab thickness. |
| Caps | End caps for each pipe. |
| Polythene Bags | Nominal 500g to suit cut Clayboard® of length 2.44m |
| Waterproof Tape | 50mm wide in 66m rolls |



Clayshield EPS Polystyrene Sheets



Clayshield is the proven solution to protecting foundations against the effects of clay heave and soil movement on the side of deep trench foundations or the side and underside of ground beams.

Clayshield boards are manufactured from expanded polystyrene (EPS), a lightweight, closed cell system with excellent compressibility. The cells in the board contain air, which compress under the pressure of expanding, wet clay soils, acting as a buffer between the ground and the foundation.

| Application | Position | Clayshield Product | Property | Clayshield |
|-------------------------|------------------|------------------------|-----------------|--------------------------------------------------|
| Deep trench foundations | Side | Clayshield | Board size (mm) | 2400 x 1200 |
| Ground beams | Side / Underside | Clayshield | Thickness (mm) | 50, 75, 100, 200, 300 |
| Ground beams | Underside | Castellated Clayshield | Effective Depth | Deep trenches up to 3m, ground beams up to 600mm |
| Piles | Encasement | Pile Collars | Colour | Light blue |



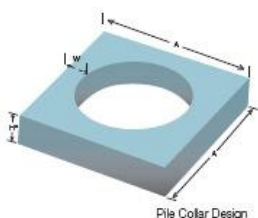
Castellated Clayshield



Castellated Clayshield is used to protect the underside of ground beams; Pile Collars and the innovative Clayshield Fixing Tool, which enables groundworkers to secure the protective boards in place while remaining outside the trench.

| Property | Castellated Clayshield |
|-----------------|--------------------------------------------|
| Board size (mm) | 1200 lengths, in widths to suit the trench |
| Thickness (mm) | 100, 150, 200, 250 |
| Colour | Light blue |

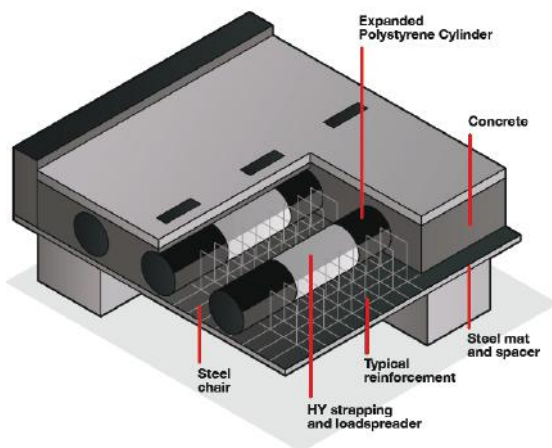
Pile Collars



| Diameter (mm) | W (mm) | A (mm) |
|---------------|--------|---------|
| 300 | 50-150 | 400-600 |
| 400 | 50-150 | 500-700 |
| 500 | 50-150 | 600-800 |
| 600 | 50-150 | 700-900 |



Polystyrene Void Formers



Polystyrene Void formers utilise the low weight/high strength characteristics of expanded polystyrene to provide the designer and contractor with a cost effective method of reducing the deadweight of a variety of structures: Motorway Bridges, Basement Slabs, Pre-cast beams and Water Treatment Works

The voidformers are either cylindrical and generally moulded, or profiled and cut from expanded polystyrene block. The moulded cylinders are available in diameters ranging from 250 to 1050mm and the standard length is 2.4m.



Polystyrene Sheets



Expanded Polystyrene sheets for thermal insulation of wall and ground floor slabs. Easily cut with fine tooth saw to the required size.

Conforms to BS 3837: Part 1
Standard grade SD supplied from stock.
Other grades readily available.

| Sheet Size | Thickness |
|--------------|-----------|
| 2.44 x 1.22m | 25mm |
| 2.44 x 1.22m | 50mm |
| 2.44 x 1.22m | 75mm |
| 2.44 x 1.22m | 100mm |
| 2.44 x 1.22m | 150mm |



Polystyrene Accessories



Solco Single Sided Foil backed Jointing Tape

A single sided aluminium foil tape, coated one side with a rubber resin based pressure sensitive adhesive, backed with a silicone treated release paper.

| Properties | |
|-------------|--------|
| Roll Width | 75m |
| Roll Length | 50m |
| Colour | Silver |



SOL-DISSOLVER

Safely dissolves away and emulsifies unwanted expanded polystyrene bolt boxes & void formers

| Container Size |
|----------------|
| 5 & 25 Litres |



Polystyrene Adhesive

A contact type adhesive specifically formulated for bonding expanded and extruded polystyrene

| Container Size |
|------------------|
| 750ml & 5 Litres |

SOLCO High Performance Insulation Fixing



| Length | Min Embedment | Insulation Thickness | Pack Qty |
|--------|---------------|----------------------|----------|
| 60mm | 30mm | 15mm to 30mm | 200 |
| 90mm | 30mm | 40mm to 60mm | 200 |
| 110mm | 30mm | 60mm to 80mm | 200 |
| 130mm | 30mm | 80mm to 100mm | 200 |
| 150mm | 30mm | 100mm to 120mm | 200 |
| 170mm | 30mm | 120mm to 150mm | 200 |

For applications requiring high pull out resistance, or for fixing to poor quality base materials, Solco HP Insulation Fixing is recommended. Solco HP Fixing features an expansion pin, driven into the stem of the fixing to expand the stem and provide a high pull out resistance. Solco HP Fixing also features a 50mm diameter head to provide a high pull over resistance. Solco HP Fixing is also highly recommended for systems using applied render, the head features key holes and a rough surface to assist in bonding of the render to the insulation beneath.

SOLCO Insulation Panel Fixing



| Length | Min Embedment | Insulation Thickness | Pack Qty |
|--------|---------------|----------------------|----------|
| 50mm | 30mm | 0 to 20 mm | 500 |
| 70mm | 30mm | 20 to 40mm | 500 |
| 90mm | 30mm | 50 to 60mm | 500 |
| 110mm | 30mm | 70 to 80mm | 500 |
| 130mm | 30mm | 90 to 100mm | 500 |

Solco Insulation Panel Fixing is recommended for securing rigid insulation, EPS, High Density Rockwool and Composites, to solid base materials.

Solco Insulation Panel Fixing is a one piece fixing manufactured from corrosion resistant Polypropylene.

The head diameter is 35mm and features a rough surface to provide a key for applied renders. Solco Insulation Panel Fixing is available in varying lengths to suit a wide range of insulation thicknesses.

SOLCO Insulation Retaining Washers



Insulation retaining washers are used in conjunction with screws to secure insulation to timber, sheet steel and other non standard base materials.

The washers are 46mm diameter, manufactured from high strength Nylon, and feature recessed mounting for the screw head. The recess feature ensures that the screw head is well below the washer surface, reducing cold bridging and allowing for movement without damage to any surface finish applied.

Two versions are available, short stem with 5mm recess and long stem with 12mm recess.



SOLSHEET Geosynthetic Clay Liner

SOLSHEET is a reinforced needle-punched Geosynthetic Clay Liner (GCL) specifically designed for landfill, surface water impoundments and secondary containment.

SOLSHEET GCL is a mechanically bonded composite of pulverised bentonite embedded between two layers of geotextile. Additional bentonite is added to the overlap edges for ease of sealing.



SOLSHEET GCL's provide hydraulic performance equivalent to one metre of compacted clay, with a total GCL thickness of less than 10mm. SOLSHEET GCL's are self-sealing if punctured, and are manufactured in large rolls that require just a simple overlapped seam. Fast and easy to install, as well as being highly cost effective, SOLSHEET GCL's provide a superior choice for both designers and contractors

Applications:-

- Landfill Caps
- Landfill Liners
- Contaminated Land Caps
- Secondary Containment
- Civil Engineering / Transportation
- Surface Water Impoundments (Lakes, etc)
- Mining Resistance to differential settlement

Benefits & Advantages:-

- Natural granular sodium bentonite
- Composite of natural & synthetic materials
- Unrivalled hydraulic performance
- Highly competitive installed cost
- Self-sealing if punctured
- Excellent chemical resistance
- Highly competitive installed cost
- Fast and easy to install
- Excellent slope stability characteristics
- Excellent climatic resistance
- Resistance to differential settlement

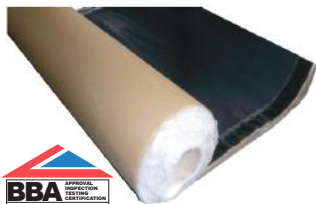
| Solsheet Technical Data | | | | | |
|------------------------------------|-----------------|-----------------------------------|--------------------------|----------|------------------------|
| Characteristic | Test Method | Unit | ValueT | olerance | MQC Frequency |
| GEOTEXTILE LAYERS | | | | | |
| Carrier Layer (PP woven) MPUA | EN ISO 9864 | g/m ² | 115- | 10% | 1/20,000m ² |
| Cover Layer (PP non-woven) MPUA | EN ISO 9864 | g/m ² | 200 | -10% | 1/20,000m ² |
| BENTONITE (Sodium Bentonite) LAYER | | | | | |
| Montmorillonite Content | CUR 33 (VDG 69) | % | >75 | n/a1 | /batch |
| Swell Index | ASTM D 5890 | ml/2g | ≥24 | n/a1 | /batch |
| Fluid Loss | ASTM D 5891 | ml | <18n | /a | 1/batch |
| Moisture Content | DIN 18121-1 | % | <20 | n/a1 | /5,000m ² |
| Water AbsorptionD | IN 18132 | % | >500 | n/a1 | /batch |
| GEOSYNTHETIC CLAY LINER | | | | | |
| Mass per unit area of Bentonite | EN14196 | g/m ² | 4700 | ±10% | 1/20,000m ² |
| Mass per unit area of GCL | EN14196 | g/m ² | 5015± | 10% | 1/2,500m ² |
| Tensile Strength (MD/CMD) | EN ISO 10319k | N/m1 | 2- | 10% | 1/10,000m ² |
| Permeability | ASTM D 5887 | m/s | ≤5.0 x 10 ⁻¹¹ | n/a1 | /25,000m ² |
| Index Flux | ASTM D 5887 | m ³ /m ² /s | ≤5.0 x 10 ⁻⁹ | n/a1 | /25,000m ² |
| Grab Tensile Strength | ASTM 4632 | N | >400 | n/a1 | /10,000m ² |
| CBE Puncture Resistance | EN ISO 12236 | kN | 2.0- | 10% | 1/50,000m ² |
| Peel Strength | ASTM D 6496 | N/10cm | >60 | n/a1 | /5,000m ² |

| Properties | |
|------------|-------------------|
| Roll Size | 5.1m x 40m |
| Roll Area | 204m ² |





| | |
|----------------------------|-------|
| Waterproofing Membranes | 23-24 |
| Bentonite Membranes | 25-28 |
| Waterproofing Systems | 29-31 |
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SOLSHEET Self Adhesive Membrane

SOLSHEET Self Adhesive Membrane is a 1.5mm thick preformed waterproofing system. The bitumen compound is laminated onto an impervious, non-perforated, cross laminated HDPE film.

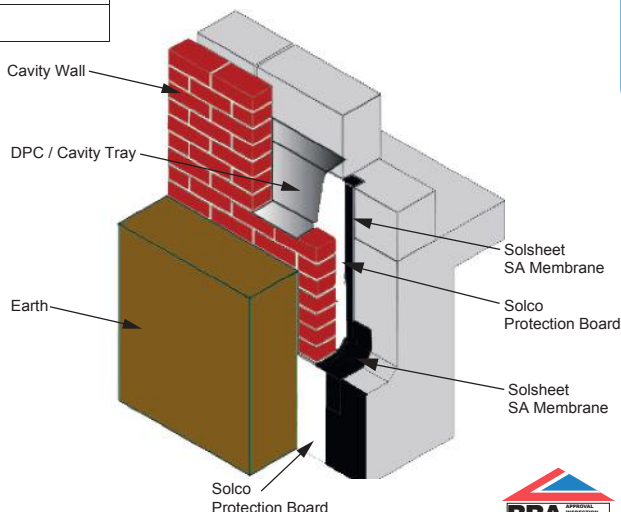
The membrane is protected on the self adhesive side with a silicone coated release film. SOLSHEET Self Adhesive Membrane conforms to the requirements of BS 8102. Substrates should be primed with SOLCO Bitumen Emulsion Primer prior to application.

| Properties | |
|-------------|------------------------------|
| Thickness | 1.5mm |
| Width | 100mm / 150mm / 300mm / 1.0m |
| Length | 20m |
| Roll Weight | 3kg / 4.5kg / 9kg / 30kg |
| Colour | Black |

SOLSHEET Self Adhesive Membrane is used as waterproofing and damp proofing membrane intended for concrete protection. It may be used for horizontal and vertical applications for tanking below ground structures, subways and retaining walls.

The Feature & Benefits:

- Provides protection against water and vapour.
- Self adhesive. Requires just peeling off the silicone film and applying to the pre-primed surface.
- Excellent adhesion to vertical and horizontal surfaces.
- Excellent resistance to chlorides, sulphates, alkalis & acids.
- Good tear and puncture resistance.
- Excellent tensile strength.



| Properties | |
|---------------------------|-----------------------------|
| Thickness | 1.5mm |
| Width (m) | 1.0m |
| Length (m) | 20m |
| Roll Weight | 25kg |
| Colour | Black |
| Water Vapour Transmission | <0.1 g/m ² /day |
| Methane Gas Permeability | <2.9 ml/m ² /day |
| Radon Gas Permeability | < 50 Bq/m ³ |

SOLSHEET GR Self Adhesive Membrane

SOLSHEET Gas Resistant Self Adhesive Membrane is a preformed waterproofing system with resistance to Methane, Radon and Carbon Dioxide. Resistance to gas is achieved by a laminate of aluminium and polythene films. SOLSHEET Gas Resistant Self Adhesive Membrane can be used with Solcourse GR DPC and other Solshield Gas Membranes. Solsheet GR Meets the requirements of BS 8485:2015 and EN ISO 15105-1.

The Feature & Benefits of Solsheet GR SAM:

- Excellent resistance to chlorides, sulphates, alkalis and acids.
- Good tear and puncture resistance.
- Excellent tensile strength.
- Can also be used as a gas resistant DPM, resistant to Radon, Methane and CO₂ gases.



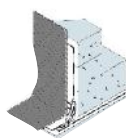
SOLCO

Solsheet Waterproof System Ancillaries



Solco Bitumen Emulsion Primer is a quick drying liquid applied, low viscosity bitumen solution used to prime and seal porous substrates and promotes the adhesion of bituminous waterproofing systems prior to application of Solsheet Membranes.

| Product Data | |
|-----------------|---------------------|
| Packaging Sizes | 10, 25 & 205 Litres |
| Approx Coverage | 10m ² /L |



Solco HD Bitumen Protection Board is a tough, reinforced flexible bitumen modified board for the protection of adhesive waterproofing membrane and other types of waterproofing membranes against damage by abrasive backfill materials and poured concrete

| Product Data | |
|--------------|-------------|
| Sheet Size | 1.0m x 2.0m |
| Thickness | 3mm / 6mm |
| Weight | 8kg / 16kg |



Solco XL Jointing / Reinforcing Tape is a self adhesive tape is used as reinforcing / over-banding tape for securing waterproofing and gas protection membranes at overlaps edge and corner details.

| Product Data | |
|---------------|-------------------|
| Roll Width(s) | 100 / 150 / 300mm |
| Roll Length | 20m |
| Thickness | 1.5mm |



Solco Butyl Tape is a black double sided synthetic rubber based high performance butyl mastic tape. It can be used for bonding waterproofing and gas protection membranes at overlaps and for bonding membranes to DPCs, and fixing of other accessories such as top hats

| Product Data | |
|--------------|------------|
| Roll Width | 50 / 100mm |
| Roll Length | 10m / 20m |
| Colour | Black |



Soldrain Double is a sheet drainage system which can be used as a protective barrier between the structure and the surrounding fill and act as a protective layer to the primary waterproofing membranes.

| Product Data | |
|--------------|-----|
| Roll Width | 2m |
| Roll Length | 20m |



Solcourse HP DPC is a BBA approved bitumen free polymeric damp proof course using the most recent advances in polymer technology.

| Roll Widths | Roll Length |
|---------------|-------------|
| 100mm - 900mm | 20m |



Solcourse GR DPC is a bitumen free polymeric damp proof course resistant to Radon, Methane & CO₂

| Roll Widths | Roll Length |
|---------------|-------------|
| 300mm - 900mm | 20m |



Solsheet Torch-on Tanking Membrane

A high performance polyester based bitumen torch-on membrane. The upper surface is finished with a fine silica sand and the underside is finished with a thermofusible P.E. film.

| Roll Dimensions |
|-----------------|
| 1m x 8m x 32Kg |



GDA Actitex Waterproofing System



GDAActiTex is an active waterproofing membrane of high strength geotextiles encapsulating a sodium bentonite layer. Using a non-woven & woven geotextile which are needle punched together, the layer of sodium bentonite is retained within a strong, yet pliable membrane. All surface of the material is covered with 0.2 mm polymeric membrane.

GDAActiTex works by forming a low permeability membrane when in contact with water. Once wetted unconfined sodium bentonite can swell up to 15 times its dry volume. ActiTex is designed to allow small worms of sodium bentonite to pass through into the concrete sealing any small cracks caused by ground settlement, concrete



Applications:

- Below ground structures wall & beneath slab
- Property line construction- secant, contiguous piles, steel sheet piling, permanent, shuttering, stabilized earth retention walls, king post walls.
- Void formers, compacted ground, insulation, clay heave board, etc.
- Tunnels, earth covered roofs
- Structures under continuous or intermittent hydrostatic pressure

Advantages:

- BDA Kiwa Agrément® BAB 18-060/01/A
- Active self-healing properties.
- Mechanical bond, eliminating water tracking.
- Conformable & pliable
- Robust membrane & Ease of repair
- All weather application, mechanical fix
- VOC free
- Proven world wide application.
- Reproducible swell after wet-dry cycle.
- Unaffected by freeze/thaw cycling.

Limitations:

- ActiTex is designed to be used in confinement.
- ActiTex is designed for minimum 150mm concrete slabs & requires confinement and a minimum 75mm cover to all sides.
- No standing/running water - Proper water management should be adopted before application
- In conditions where salt-water, sever ground water chemical contamination exists or is expected consult manufacture for approval.

| Product Data | |
|--------------|-------|
| Roll Width | 1.15m |
| Roll Length | 5m |

GDA Actistop Hydrophilic Waterstop

GDAActiStop is a hydrophilic strip waterstop and is a formulated blend of sodium bentonite & butyl rubber. GDAActiStop is an active waterstop designed to replace passive PVC/Rubber waterbars, without the need for pre-formed intersections, split forming or seam welding. The seal resists hydrostatic pressure, stopping the passage of water through the joint. Due to the sodium bentonite content on contact with water ActiStop will swell within its confinement, self-injecting into localised honeycombing & minor fissures.



Applications:

- Construction joints in in-situ reinforced concrete structures.
- New to existing concrete construction.
- Pipe penetrations – wall & floor.
- Irregular surfaces.
- Box out penetrations & remedial sections

| Technical Data | |
|----------------|-----------------------------------|
| GDA Actistop | 25mm x 20mm x 5m (30m per box) |
| GDA Actifix | 1m Lengths (30m per box) |





Voltex System



Technical Data

| | |
|-------------|--------|
| Roll Width | 1.1m |
| Roll Length | 5.0m |
| Roll Weight | 35.0kg |

Larger Rolls Available on Request

Voltex is a highly effective waterproofing membrane comprising two high strength geotextiles and 4.88kg of sodium bentonite per square metre. The high swelling, low permeable sodium bentonite is encapsulated between a non-woven and woven geotextile.

A patented needlepunch process interlocks the geotextiles together forming an extremely strong composite that maintains the equal coverage of bentonite, as well as protecting it from inclement weather and construction related damage. Once backfilled Voltex hydrates and forms a monolithic waterproofing membrane.

Voltex contains zero VOC, can be installed in almost any weather condition to green concrete, and most importantly has proven effective on both new and remedial waterproofing projects worldwide.



Voltex DS membrane is comprised of two high strength geotextiles and an integrated polyethylene liner. The two geotextiles are interlocked by a patented needle punching process which encapsulates and holds the granular bentonite in place and assures a consistent application of material.

Technical Data

| | |
|-------------|-------------|
| Roll Size | 1.1m x 5.0m |
| Roll Weight | 30.8kg |

Voltex System Ancillaries



Bentoseal is a trowel-grade bentonite based mastic that is used with Voltex bentonite waterproofing systems to detail at membrane terminations.

Technical Data

| | |
|-----------|-----------------|
| Pail Size | 25kg Tub (20 L) |
|-----------|-----------------|



Voltex Bentonite Granules, used to detail critical areas that may require extra Volclay protection. Typical application is around slab penetrations, pile caps, and grade beams prior to the waterproofing membrane installation.

Technical Data

| | |
|----------|------|
| Bag Size | 20kg |
|----------|------|



Waterstop-RX 101 is a Sodium Bentonite based waterstop designed to stop water infiltration through cast-in-place concrete construction joints by expanding upon contact with water to form a positive seal against the concrete.

Technical Data

| | |
|------------------|--------------------------------|
| Waterstop RX 101 | 20mm x 25mm x 5m (30m per box) |
|------------------|--------------------------------|

Technical Data

| | |
|---------------------|----------------------------------------|
| REVOFIX | 1000mm Lengths (30m per box) |
| RX WB Adhesive | 3.8 Litre Tub |
| Soft Washer Fixings | 150 OR 500 per box |
| Blacksheet | HDPE Self-adhesive sheet 1m x 20m roll |
| Blacksheet Primer | 5 Litres |

A full range of Ancillaries for the CETCO Voltex System, are available. Contact your local branch for full details



| Technical Data | |
|----------------|------|
| Roll Width | 1.4m |
| Roll Length | 15m |
| Thickness | 15mm |

Applications:

- Plaza Decks
- Split-Slab Deck Construction
- Foundation Walls
- Earth-Covered Structures
- Property Line Construction
- Under Slab
- Tunnels
- Greenroofs

Voltex Coreflex

CoreFlex 60 is a thermoplastic membrane reinforced with a knitted polyester fabric integrally bonded to an Active Polymer Core (APC). CoreFlex 60 offers the ultimate in podium / plaza waterproofing barrier protection technology.

The barrier performance starts with a unique seam-welded, knitted polyester reinforced thermoplastic membrane, providing a monolithic watertight barrier.

The APC layer, integrally bonded to the thermoplastic membrane, is designed to activate with water to swell and form a positive seal.

Therefore, if the membrane is punctured or there are installation defects, the APC layer reacts and self-seals to not only prevent water ingress, but also eliminates water tracking.

CoreFlex is the only welded thermoplastic membrane composite with this reactive, self-sealing performance feature.



| Technical Data | |
|----------------|-------|
| Roll Width | 1.22m |
| Roll Length | 7.6m |

Applications:

- Under Structural Slabs
- Property Line Walls
- Backfilled Walls
- Cut-and-Cover Tunnels
- Earth-Covered Structures

Voltex Ultraseal® XP

ULTRASEAL® XP features XP technology, the latest innovation in active waterproofing. This advanced polymer technology provides exceptional performance in a wide range of ground contaminants including high saline conditions.

Unlike passive membranes when used alone, the self-sealing ability of the active XP technology enables the ULTRASEAL® XP waterproofing membrane to seal minor cuts or damage to the membrane. And most importantly, it has been proven effective in both hydrostatic and non-hydrostatic conditions.

ULTRASEAL® XP works by forming a low permeability membrane upon contact with water. When hydrated, the unconfined membrane can swell many times its dry volume. When confined by backfill or concrete the swell is controlled, forming a dense, impervious waterproofing membrane. This swelling action can seal small concrete cracks caused by ground settlement and concrete shrinkage.

When concrete is poured against the XP geotextile side, ULTRASEAL® XP forms a strong mechanical bond. It contains zero VOCs, and can be installed in almost any weather condition directly to green concrete. The durable membrane can also withstand pedestrian construction traffic.



Dualseal Bentonite System



Dual Seal is a high performance self swelling, self healing waterproofing membrane comprising of a thick, very tough, high density polyethylene sheet laminated to 4kg/m² of quality Bentonite granules. The Bentonite used in the manufacture of Dual Seal is capable of repeated cycles of wetting and drying without deterioration of its sealing properties and has a life expectancy measured in thousands of years (BBA Certified). It has WRAS approval for use with potable water.

Dual Seal Membrane can be installed in damp conditions and is, therefore, particularly suitable for use as a roof waterproofing system for earth covered potable water reservoirs

Technical Data

| | |
|--------------------|--------------------|
| HDPE Thickness | 0.5mm |
| Membrane thickness | 5mm |
| Roll Width | 1.22m |
| Roll length | 7.32m |
| Coverage per roll | 8.59m ² |

Applications:

- Basements
- Underground car parks
- Plant rooms
- Access tunnels

The Feature & Benefits of Dualseal:

- Watertight barrier 10 times greater than concrete
- Resistance to Hydrostatic head of water of 46m
- Can be applied to wet surface/green concrete
- Can be installed in damp conditions
- Prevents tracking of water between membrane & concrete
- Surface does not require priming
- Installation temperature -30°C to +50°C
- Easily installed by non-skilled operatives
- Non-toxic
- Eliminates need for separate protection board
- Does not require welding
- WRAS approved for use with potable water



Dualseal Ancillaries

Dual Seal Mastic

A trowelable mastic comprising of a special formulation of expandable minerals and elastomeric compound which expands and stiffens in the presence of water to form an impervious barrier to water penetration.

Uses:

For use with Dual Seal Waterproofing Membranes to form a 45° fillet in internal corners, around pipe entries and penetrations. It is also used for filling voids, tie holes and honeycombing prior to installation of the Dual Seal Waterproofing Membrane.

Dual Seal Granules

A high swelling sodium bentonite in granular form which reacts when in contact with water and forms an impervious gel.

Uses:

Used in conjunction with Dual Seal Waterproofing Membranes to form a fillet at wall to floor transitions & penetrations through horizontal surfaces

Dual Seal XL Reinforcing Strip

An overbanding tape for the sealing of membranes

Technical Data

| | |
|--------------------|-------------|
| Dual Seal Mastic | 19 Ltr Pail |
| Dual Seal Granules | 22.7kg Bags |
| Dual Seal XL Strip | 100mm x 20m |

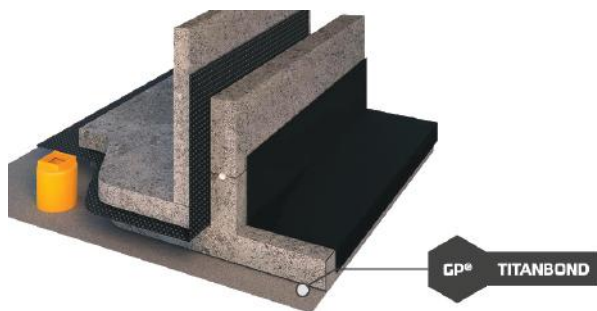


GP® TITANBOND



GP TITAN BOND is a pre-applied waterproofing membrane comprised of GP TITAN and a specialist bonded geotextile to provide a bonding layer for poured concrete specifically for waterproofing applications (TYPE A BARRIER).

GP TITAN BOND Hydrocarbon Barrier offers a safe solution for the protection of buildings and occupiers against all levels of hydrocarbons, methane, carbon dioxide and radon ingress. Typically these are sites previously used as petrol stations, coalfields landfill sites, contaminated industrial sites, Fracking sites, and heavily contaminated sites.



The membrane also acts as a damp-proof membrane. GP TITAN BOND is designed to withstand the most aggressive environments. Testing has been completed in accordance with BS8485:2015 and C748 to determine the permeation rates for Methane, Carbon Dioxide, and a range of VOC's. Immersion testing has also been completed to for Chemical Resistance to EN 14414 and EN 14415.

Features & Benefits:

- Complies with latest codes of practice by BRE & Ciria C748
- BS8102:2009 Compliant (Type A Waterproofing Barrier)
- Suitable for Ground Gas/ Hydrocarbon protection to NHBC Green, Amber 1,2 & Red site.
- Suitable against most aggressive chemicals
- Manufactured using the latest extrusion technology
- Also acts as a high performance DPM

| Technical Data | Test Method | Value |
|-------------------------------------------|-------------|---------------------------------|
| Total Thickness | EN 1849-2 | 2.0mm |
| Roll Width | EN 1849-2 | 1.9m |
| Roll Length | EN 1849-2 | 25m |
| Roll Weight | EN 1849-2 | 650 g/m ² |
| Water Vapour Trans. Rate | EN 1931 | 0.11-0.18 g/m ² /day |
| Watertightness (60kPa) | EN 1928 | Pass |
| Watertightness (196 kPa - 20m Water Head) | EN 1928 | Pass |

Compliance & Certification

CE Mark - EN 13967:2012

NHBC Standards Compliant

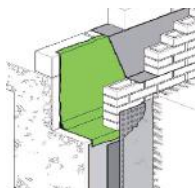
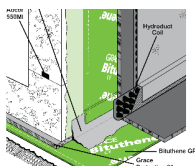
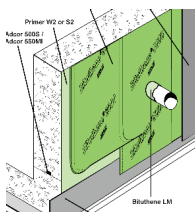
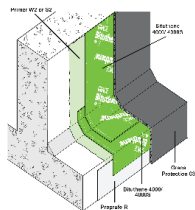
BS 8485:2015 Compliant (Methane & Carbon Dioxide Barrier) & CIRIA C748 Compliant (VOC Barrier)

BS 8102:2009 Compliant (Type A Waterproofing Barrier)





GRACE Construction Products



Bituthene® System

Bituthene® 4000/ 4000S is a self-adhesive HDPE waterproofing membrane with enhanced bonding characteristics is a flexible waterproof membrane combining a high performance cross laminated, HDPE carrier film with a unique super sticky self-adhesive rubber bitumen compound.

Technical Data

| | |
|-----------------------|----------|
| Bituthene® 4000/4000S | 1m x 20m |
|-----------------------|----------|

Bituthene® 8000/ 8000S combines the proven Bituthene adhesive technology with a unique, grey coloured carrier film to provide superior performance and easier installation. It can be used horizontally or vertically to protect basements and other critical sub-structures from the effects of hydrostatic pressure, ground contamination, damp or gas penetration.

Technical Data

| | |
|-----------------|----------|
| Bituthene® 8000 | 1m x 20m |
|-----------------|----------|

Bituthene® GP is Self-adhesive rubber bitumen/HDPE waterproof membrane for low risk applications.

Bituthene® GP is a combination of a high density polyethylene film and a self-adhesive rubber/bitumen compound.

Technical Data

| | |
|---------------|----------|
| Bituthene® GP | 1m x 25m |
|---------------|----------|

Bituthene® LM is a two component elastomeric liquid applied detailing compound for use with Grace waterproof membranes. Bituthene® LM is designed to complement Grace sheet systems where liquid applied waterproofing is necessary to ensure watertight continuity. Bituthene LM cures to form a tough seamless rubber-like waterproof layer.

Technical Data

| | |
|---------------|--------------------|
| Bituthene® LM | 5.7L (Parts A & B) |
|---------------|--------------------|

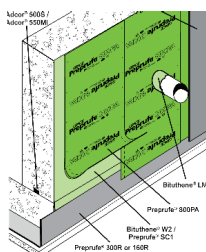
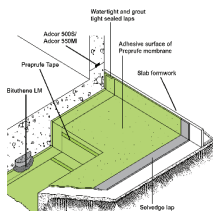
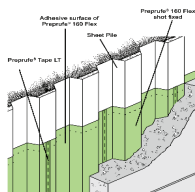
Bituthene® System Ancillaries

| Technical Data | |
|-------------------------------|--------------------------------------------|
| Bituthene Protection Board | 1m x 2m x 3mm |
| Servipak Protection Boards | 1m x 2m x 6mm & 1m x 1m x 12mm |
| Bitustik 4000 | 150mm x 12m (Adhere board to Bituthene) |
| Bituthene Tape Alu-Bitutape | 100, 150, 225 & 300mm x 10m Rolls |
| Bituthene Tape Bitutape (std) | 100, 150, 250 x 30m & 250, 300 x 20m Rolls |
| B1 Primer (dry surface) | 5L / 25L (10m ² per Litre) |
| S2 Primer (dry/damp surface) | 5L / 25L (10m ² per Litre) |



GRACE

Construction Products



PREPRUFE System

Preprufe® 160 Flex waterproof membrane is a composite sheet comprising of a robust flexible backing, a pressure sensitive adhesive and a trafficable weather resistant coating. Uniquely, the membrane develops a continuous adhesive bond to concrete poured against it. This prevents water migration between the structure and membrane, reducing the risk of leaks.

Technical Data

| | |
|-------------------|-------------|
| Preprufe 160 Flex | 35m x 1.2m |
| Preprufe Tape | 100mm x 15m |

Preprufe® 300R & 160R are pre-applied Waterproofing Membranes multi-layered composite waterproofing sheets made from a thick solar reflective HDPE film, a highly aggressive pressure sensitive adhesive and a weather resistant protective coating that allows freshly poured concrete to fully adhere to the membrane to prevent water tracking.

Technical Data

| | |
|---------------|-------------|
| Preprufe 160R | 35m x 1.2m |
| Preprufe 300R | 30m x 1.2m |
| Preprufe Tape | 100mm x 15m |

Preprufe® 800PA is a self-adhesive membrane for use with basement walls in open excavations. Preprufe® 800PA is a cold-applied, self-adhesive waterproofing membrane, composed of a reinforced crosslaminated HDPE film, and a synthetic non-bituminous adhesive. Preprufe 800PA incorporates the Preprufe Advanced Bond Technology™

Technical Data

| | |
|----------------|------------|
| Preprufe 800PA | 35m x 1.2m |
|----------------|------------|



Hyload Tanking Membranes

Hyload Tanking Membrane 2000SA is a cold applied, flexible waterproofing membrane combining a special high performance cross laminated, HDPE carrier film with a self adhesive modified bitumen compound.

Hyload Tanking Membrane 1000SA is an economical and multi-purpose, self-adhesive damp proof and tanking membrane. It is ideal for a wide range of waterproofing projects.

Hyload Gastite SA is a cold applied, self-adhesive gas-resistant membrane designed specifically to resist the passage of methane and radon gases. When used in conjunction with Gastite DPC and preformed cloaks Hyload Gastite SA forms a complete gas resistant system.



Properties

| | |
|------------|-------|
| Thickness | 1.5mm |
| Width (m) | 1m |
| Length (m) | 15m |

Properties

| | |
|------------|-------|
| Thickness | 1.1mm |
| Width (m) | 1m |
| Length (m) | 20m |

Properties

| | |
|------------|-------|
| Thickness | 1.1mm |
| Width (m) | 1m |
| Length (m) | 20m |



SOLCO

Soldrain Double Sheet Drainage



Solderain Double is a sheet drainage system which consists of a HDPE impermeable studded sheet, with a polypropylene filter fabric bonded to the top of the studded core. Solderain Double can be used as a protective barrier between the structure and the surrounding fill and act as a protective layer to the primary waterproofing membranes.

Solderain Double relieves the hydrostatic pressure by channeling the ground water away from the structural waterproofing, protecting the structure. The filter fabric facing the backfill material ensures the drainage channels are not blocked or obstructed.

Solderain Double is a UV stable and reliable root and fungi-proof drainage system, which when fully protected from UV exposure, has a design life in excess of 120 years. Solderain Double offers levels of protection required for below ground structures, described in: BS 8102: 1990, grades 2, 3 & 4.

Technical Data

| | |
|-------------|-----|
| Roll Width | 2m |
| Roll Length | 20m |

Typical Uses

- Basements and foundations
- Tunnels and underpasses
- Underground car parks
- Landscaping / Reservoirs
- Retaining walls
- Landfill sites
- Roof gardens
- Planter boxes
- Floor slabs
- Plaza decks and terraces

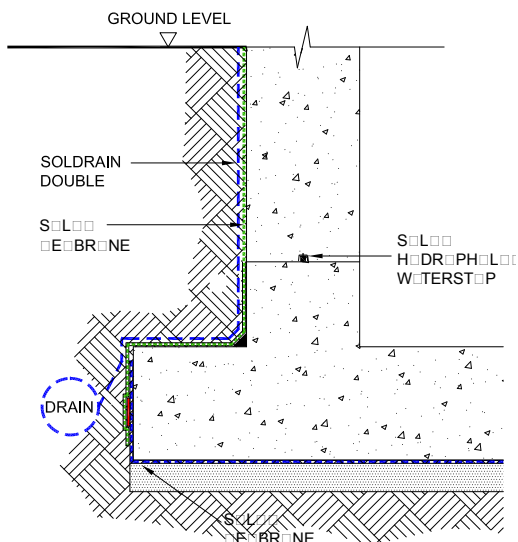
Features & Benefits

- Protection layer to waterproofing membrane
- Non-biodegradable
- Filter fabric protects structure from surrounding earth
- High water flow / drainage capacity
- High impact resistance
- High compressive strength
- Lightweight and easy to handle
- Highly resistant to sulphates, chlorides and other aggressive ground chemicals
- Fast, Simple installation method
- Low installation cost

Ancillary Products

Solco supply a range of ancillary products for use with Solderain Double which include:-

| Ancillary products | |
|-------------------------------|---------------------------|
| Solco Double Sided Butyl Tape | 50mm x 10m 100mm x 10m |
| Solco XL Reinforcing Tape | 150mm x 20m |
| Solco Self-adhesive Membrane | 1m x 20m |
| Solco Membrane Fixing plugs | Bags of 100 |
| Solco Sealing washers | Bags of 100 |



SOLCO

Soldrain Slab Drain



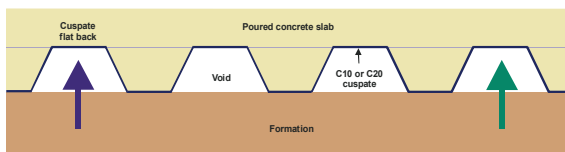
Soldrain Slab is a cavity drain former manufactured from a dimpled H.D.P.E., designed to provide a drainage channel beneath the concrete in floor and wall construction. The former is provided with selvages to enable joints to be sealed to give a water and gas tight membrane. Generally in type C construction to provide grade 4 protection as defined in BS 8102: 1990. "Protection of structures against water from the ground".

Soldrain Slab may be used in floors and walls to provide a drainage void beneath the concrete to relieve both water and gas pressures. The HDPE core provides high strength to resist the loads imposed by placing wet concrete.

| Technical Data | |
|----------------|-------------|
| Slab Drain | Size |
| Thickness | 10mm & 20mm |
| Roll Width | 0.97m |
| Roll Length | 50m |

Features

- CE Marked
- Combined former and membrane
- Provides a high water flow rate
- Easily applied & Lightweight.
- Selvedge side laps
- High load resistance
- highly resistant to acids & alkali
- does not support bacterial growth



SOLCO

Soldrain Wall Drain



Soldrain Wall consists of a preformed plastic core bonded to a geotextile filter. The filter was specially developed to permit free entry of water, but not soil, and so prevent soil particles from clogging the drainage system.

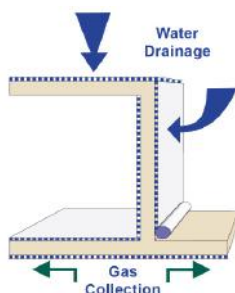
Soldrain Wall is designed to be placed with the geotextile filter layer facing the direction of water seepage or backfill. Soldrain Wall can be applied against waterproofing membranes or directly against the masonry/concrete substrate.

Soldrain Wall relieves hydrostatic pressure against the vertical walls of buried structures - basements, retaining walls, reservoirs, tunnels, bridge abutments, culverts and underground car parks. Walldrain provides a second line of defence to channel seepage water away from the structure and is designed to fully comply with the requirement of type 'C' design BS 8102.

Features

- CE Marked
- Combined former and membrane
- Provides a high water flow rate
- Easily applied & Lightweight.
- Selvedge side laps
- High load resistance
- highly resistant to acids & alkali
- does not support bacterial growth

| Product Data - Roll Sizes | |
|---------------------------|------------|
| 12mm | 1m x 50m |
| 25mm | 0.45 x 50m |
| | 0.90 x 50m |





SOLCO

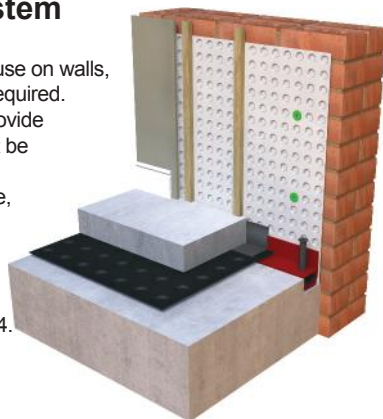
Soldrain ICD System

Soldrain ICD is a High-Density Polyethylene membrane for use on walls, floors, vaults and tunnels with minimal surface preparation required. Also suitable for external foundation waterproofing and to provide insulated dry lining for walls above ground level that may not be suitable for conventional plaster finishes. Soldrain ICD does not have any mesh or fabric on its surface, which makes cutting and fixing faster and easier.

Soldrain ICD CM8 & CM20 membranes are suitable for use in type 'C' (drained protection) structural concrete constructions in accordance with BS 8102:1990, clause 3.2.4.

CM8 is a medium capacity drainage membrane (4 litres/m²) for floors and walls both above and below ground level.

CM20 is the highest drainage capacity membrane in the range giving a void volume of 14 litres/m². Suitable for use on floors and walls in very wet situations or where the large stud height is desired to maximize insulation values.



Features & Benefits

- No extensive preparation of structure.
- Water can be directed behind the membrane to conventional drainage or a sump / pump.
- Ingress of water is controlled within the system and not diverted to other areas.
- Complete freedom of choice of wall finishes.
- Quick and easy to install.
- Impermeable to water and water vapour.

| Technical Data | CM8 | CM20 |
|--------------------------|-------------------------------|-------------------------------|
| Sheet thickness | 0.50mm | 1.00mm |
| Stud height | 6.5mm | 20mm |
| Unit weight: | 0.48 kg/m ² | 0.95 kg/m ² |
| Water vapour resistance: | 1800 m ² .s.GPa/kg | 3500 m ² .s.GPa/kg |
| Air gap volume: | 4 litre/m ² | 14 litre/m ² |
| Life expectancy: | > 50 years | > 50 years |
| Colour: | Clear | Black |
| Thermal Resistance: | 0.12 m ² .°C/W | 0.17 m ² .°C/W |
| Drainage Capacity: | 3.8 l/sm | 10 l/sm |

SOLCO

Soldrain ICD Membrane Ancillaries

| Technical Data | |
|---------------------|-------------------------------|
| Brick Plugs & Seals | 10mm x 75mm (100/box) |
| Plaster Plugs | 8mm x 70mm (500/box) |
| Sealing Tape | 2mm x 30mm x 20m (5/box) |
| Sealing Rope | 10mm x 5m (10/box) |
| Overtape | 115mm x 1mm x 25m |
| Corner Strip | 150mm x 1.5mm x 10m |
| Wall/Floor Junction | 2m strip (10 per pack, black) |
| X Cramps | 60 per box |
| Top Edge Mould | 2m |
| DPC Plain | 400mm x 20m |





SOLCO PVC Waterstops

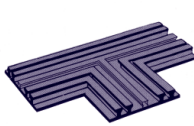
Solco high performance PVC waterstops for secure sealing of concrete structures. These high integrity multi-finned waterstops incorporate fin control barriers which improve density and provide superior sealing. Solco waterstops are interconnectable using preformed transitions and joints to allow a continuous seal in reinforced concrete structures.



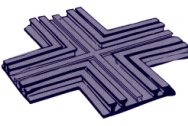
Vertical L



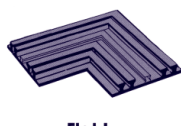
Reverse VL



Flat T



Flat X



Flat L

XTCB waterstops can be used in vertical and horizontal expansion joints giving two-way hydrostatic pressure resistance when cast centrally.

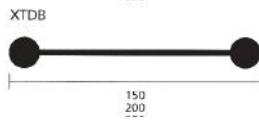
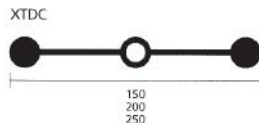
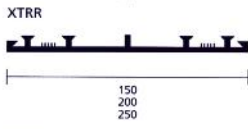
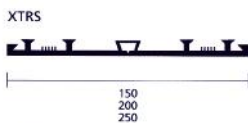
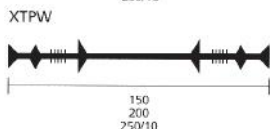
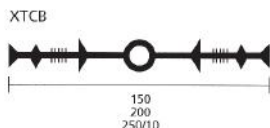
The XTCB / XTPW profiles are available with eyelets if required.

The range is complete with the XTRS, XTRR and XTCK profiles.

Features & Benefits

- Wide range of profiles
- Specific design for unique applications
- Eyelets
- Strength combined with flexibility
- WRc approved for potable water
- For use with: construction & expansion joints,
- Contraction joints, internal / external joints
- Fuel resistant variant available

| Product Accessories | |
|---------------------|--|
| Joining Jig | |
| 110v Hot Knife | |
| Gas Heated Knife | |



All 250mm wide waterstops are available with a 10mm heavy duty web.

| Product Range | Product Size |
|--------------------------|--------------|
| XTCB 150 | 10 m Coil |
| XTCB 200 | 10 m Coil |
| XTCB 250/10 | 10 m Coil |
| XTPW 150 | 10 m Coil |
| XTPW 200 | 10 m Coil |
| XTPW 250/10 | 10 m Coil |
| Flat L T X Rev VL Vert L | |

| Product Range | Product Size |
|--------------------------|--------------|
| XTRS 150 | 10 m Coil |
| XTRS 200 | 10 m Coil |
| XTRS 250 | 10 m Coil |
| XTRR 150 | 10 m Coil |
| XTRR 200 | 10 m Coil |
| XTRR 250 | 10 m Coil |
| XTCK 320 | 10 m Coil |
| Flat L T X Rev VL Vert L | |

| Product Range | Product Size |
|--------------------------|--------------|
| XTDC 150 | 10 m Coil |
| XTDC 200 | 10 m Coil |
| XTDC 250 | 10 m Coil |
| XTDB 150 | 10 m Coil |
| XTDB 200 | 10 m Coil |
| XTDB 250 | 10 m Coil |
| Flat L T X Rev VL Vert L | |



Solco Hydrophilic Waterstop

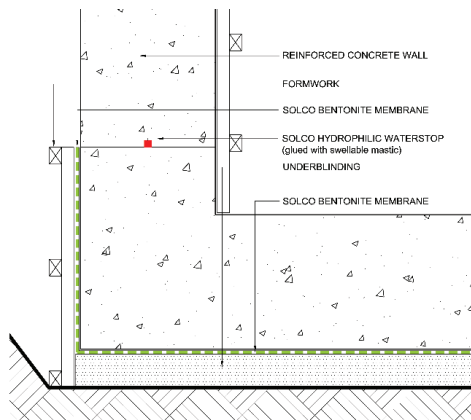
Solco Hydrophilic Waterstop is a green flexible hydrophilic strip made of high quality butyl rubber and Sodium Bentonite. Solco Hydrophilic Waterstop is used for preventative sealing of construction joints in overground and underground structures to prevent ingress of pressurised water. Also used for sealing of concrete and steel pipework and as a system component for Bentonite mats.

The swelling properties are created by the particle structure of the clay. In contact with water and in confined conditions, Solco Hydrophilic Waterstop will expand on contact with water to seal the gaps and pores in a concrete joint.

Features & Benefits

- Easy to install by bonding, nailing (using mesh cage as above) or casting into joint face.
- Swelling properties unaffected by long term wet/dry cycling.
- Sustains effective seal in wet conditions.
- Non-polluting, ecological user friendly system
- Composition of Waterstop prevents premature swelling
- Can resist hydrostatic pressure of up to 70 metres of water column = 7bar
- The durability & performance will exceed the life of the structure

| Technical Properties | |
|------------------------------------|------------------------|
| Packaging Sizes | 20 x 25mm x 5m |
| Swelling Capacity | max 240% |
| Density | 1.43 g/cm ³ |
| Weight | 0.65 kg/m |
| Swelling Pressure | 1.8 N/mm ² |
| Resistance to Hydrostatic Pressure | 7 Bar |
| Bending Radius on Corners | 50mm |
| Installation Temperature | 0°- 50°C |
| Odour | None |



Typical Kicker Detail



Solco Waterstop Sealant

Solco waterstop sealant is a polyurethane based sealant which swells in contact with water and forms a permanent waterproof seal. Solco waterstop sealant is solvent free and non-toxic and is easily applied with a sealant applicator, it provides excellent adhesion on many materials including concrete.

| Technical Properties | |
|----------------------|-------------------------------|
| Colour | Off White |
| Packaging | 310ml Tube/ 600ml sausages |

SOLCO

Solco Polybar Waterstop



Solco Polybar Waterstop is a hydrophilic Thermoplastic Elastomer waterproofing strip made from a combination of an elastomer and a hydrophilic resin. When confined between a construction joint, and in the presence of water it will swell to over four times its original volume and build up pressure inside the joint to seal against water leaks.

The composition of the Solco Polybar Waterstop ensures that initial swelling is delayed and makes Solco Polybar Waterstop safe to install in insitu concrete applications.

In addition to the standard version (red), a Salt Water Variant for use in seawater (saline concentrations up to 3%) and contaminated water, as well as a SuperSwell variant for use under highly saline conditions (salt concentrations up to 10%) are available in all sizes.

Technical Properties

| | |
|---------------------|-----------------------------------|
| Swelling Capacity | max 450% |
| Density | 1.21 g/cm ³ (ISO 2781) |
| Tensile Strength | 2.3 MPA (ISO 37) |
| Elongation at Break | 600% (ISO 37) |
| Hardness Shore A | 25 (ISO 868) |
| Tear Strength | 14 N/mm (ISO 34 - C) |
| Installation Temp. | -50° to +75°C |

Typical Uses

- Sealing joints between tunnel segments.
- Sealing joints between concrete precast elements,
- Horizontal/vertical construction joints & pipe penetrations,
- Sealing concrete to steel joints.
- Sealing construction joints in fresh concrete ensuring sufficient coverage to all edges (100mm all directions)

| Solco Polybar | Solco Polybar Salt Water | Solco Polybar Superswell | Product Sizes |
|---------------|--------------------------|--------------------------|-----------------------------------------|
| | | | 20mm x 5mm x 10m |
| | | | 20mm x 10mm x 10m |
| | | | 20mm x 20mm x 5m |
| | | | 20mm x 30mm x 5m |
| | | | 30mm x 30mm x 5m |
| | | | 50mm x 5mm x 15m |
| | | | 100mm x 5mm x 15m |
| | | | U Joint for metal Waterstop 20mm x 2.4m |

Features & Benefits

- Saltwater version for use in salt water environments.
- Solco polybar swells by approx 450%
- Composition delays initial swelling allowing installation to insitu concrete applications.
- Reversible swelling through wet-dry cycles.
- Easy installation, nailing or gluing with Waterstop Sealant
- Has a good all-round chemical resistance (see Chemical Resistane table)
- Good impact resistance.

Solco Waterstop Accessories & Components

| | | |
|--------------------------|----------------------------------------------------|-----------------|
| SOLCO Swellable Mastic | Securing Hydrophilic Waterstop by means of glueing | 310ml Cartridge |
| SOLCO Waterstop Adhesive | Securing Hydrophilic Waterstop by means of glueing | 290ml Cartridge |
| SOLCO Waterstop Mesh | Securing Hydrophilic Waterstop by means of nailing | 1m Lengths |
| SOLCO Fixing Pins 30mm | Used to secure mesh nailing cage | Box of 200 |
| SOLCO Sealant Gun | Swellable Sealant Applicator | Each |



Solco Form-Tie Waterstop



Solco Form-Tie Waterstops are produced from a unique hydrophilic rubber sealing compound which expands in a controlled fashion when exposed to moisture to form a compression seal inside or around the form-tie system in the concrete structure, to give a permanent flexible watertight seal.

Available in a number of different sizes and profiles to suit the form-tie system and once installed, forms a continuous barrier, making Solco Form-Tie Waterstops ideal for preventing water penetration or egress

**Form-Tie Plug**

(Externally inserted into the Form-Tie Conduit Sleeve)

**Form-Tie Ring**

(Externally applied around the Form-Tie Conduit Sleeve or the Form-Tie Rod)

**Form-Tie Connector**

(Externally applied around the Tie-Rod, with a Form-Tie ring completing the seal)

Typical Uses**Water Retaining Structures**

- Water Tanks, Reservoirs & Dams
- Water Treatment Plants
- Sewage Treatment Plants
- Swimming Pools

Water Excluding Structures

- Basements
- Underground Car Parks
- Tunnels & Subways
- Retaining Walls
- Pits & Manholes

Features & Benefits

- Excellent sealing capabilities , range of sizes available
- Provides a permanent, flexible gasket and compression seal inside the concrete.
- High quality, non-biodegradable hydrophilic rubber that provides long-term durability and integrity.
- Ability to expand up to 400% in contact with concrete water and over 200% expansion in salt water.
- Has been tested to withstand over 60 metres of hydrostatic water head pressure.
- Most suited to water retaining structures where direct water pressure is applied against the concrete
- No external grout required to fill form-tie conduit sleeve hole after Solco Form-Tie Plug has been positioned.
- Non-toxic and can be used in potable water structures.
- Unaffected by repeated wet and dry cycles.
- Fast and simple to install.

| Form Tie Plugs | |
|------------------------------------------------------------------------------------------------------|--|
| Sealing Plug 22mm | |
| Sealing Plug 22mm O.D 23mm x 39mm long To be used with Form Tie sleeve with Internal Dia. 22mm | |
| Sealing Plug 24mm | |
| Sealing Plug 24mm O.D 25mm x 51mm long to be used with Form Tie sleeve with Internal Dia. 24mm | |
| Sealing Plug 26mm | |
| Sealing Plug 26mm O.D 27mm x 51mm long To be used with Form Tie sleeve with Internal Dia. 26mm | |

| Sealing UFO's & Connectors | | | |
|---------------------------------------------------------------|--|-------------------------------------------------------------------|--|
| Sealing UFO Rings | | Sealing Connectors | |
| Sealing UFO 12mm Sleeve/rod O.D 16mm to 20mm | | Use Sleeve/rod O.D 16mm to 20mm | |
| Sealing UFO 17mm Sleeve/rod O.D 24mm to 30mm | | Use Sleeve/rod O.D 24mm to 30mm | |
| Sealing UFO 24mm (use with Sealing Connector 15mm) | | Sealing Connector 15mm To be used with Tie-rod O.D 15mm | |
| Sealing UFO 31mm (use with Sealing Connectors 20mm & 23mm) | | Sealing Connector 20mm & 23mm To be used with Tie-rod O.D 20mm | |
| Sealing UFO 39mm (use with Sealing Connectors 26mm & 30mm) | | Sealing Connector 26mm & 30mm To be used with Tie-rod O.D 26mm | |

The above profile types are our standard range of sizes, custom sizes are available upon request to suit the form-tie system to be used

SOLCO



Solco Waterplug

Solco Waterplug when mixed with clean water, provides a ready to use ultra rapid setting, durable plugging mortar for active water leaks in concrete and masonry. The material expands as it cures to form a watertight seal with similar characteristics to concrete. Solco Waterplug is used to stop active water or seepage under pressure through joints, cracks and holes in concrete or masonry, where a normal mortar would be washed away and resin mortars would not bond.

Technical Data

| | |
|-----------------|--------|
| Solco Waterplug | 5L Tub |
|-----------------|--------|

Features & Benefits

- Ultra-rapid set, instant plugging of leaks
- Requires the addition of water only.
- Expands as it sets, ensuring a permanent watertight seal.
- Similar characteristics and compatible with concrete.
- Chloride-free - does not promote corrosion of the reinforcement.

Applications

- As a seal for construction joints or floor joints prior to basement tanking Soltank Super.
- For instant sewer connections and for sealing cracks and construction joints in reservoirs and other water retaining structures.
- For rapid anchoring of bolts, conduits, pipes, railings, sanitary equipment, etc.
- Joint filling, pointing between concrete segments in concrete and brick tunnels, sewage systems, pipes and mines.
- Used to stop active water or seepage under pressure through joints, cracks and holes in concrete or masonry.

SOLCO



Soljoint Bitumen Joint Sealer

Soljoint is a preformed bitumen sealing strip designed for joint sealing of precast concrete sections used in ground drainage, sewerage and subway construction. A wide range of cross sections and sizes are available to suit any joint design or unit construction.

Features & Benefits

- Economical joint sealing
- Non-biodegradable
- Resistant to chemical attack
- Flexible and accommodating to deflection, draw and shear
- Resists root growth

Roll / Section Sizes

| |
|--------------------|
| 12mm x 25mm x 6m |
| 12mm x 60mm x 6m |
| 12mm x 80mm x 6m |
| 12mm x 120mm x 6m |
| 20mm x 25mm x 5m |
| 22mm x 30mm x 5.5m |
| 25mm x 40mm x 4m |

Accessories

Solco Primer - 5 Litres

Typical Uses

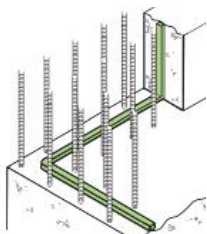
- Box Culverts
Surface Water Drainage and Stream Diversion, Holding Chambers, Traffic Bearing Culverts and Shafts
- Subways and Duct Units
Manholes, Shafts and Soakaways, Inspection Chambers Tanks
- Bolted Tunnel and Shaft Sections
Main Sewers, Pumping Station and Access Shafts
- Concrete Pipes
Surface Water Drainage Jacked Sewage and Irrigation Pipe.



GRACE

Construction Products

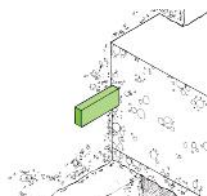
Waterstops



Adcor® 500S

A conformable, swellable polymer/butyl rubber waterstop strip that expands in contact with water. When fully encapsulated by poured concrete, the expansive forces form a seal against concrete faces. The seal resists hydrostatic pressure, stopping water from entering sub-structures.

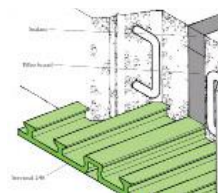
| Technical Data | |
|----------------|------------------|
| Adcor 500s | 20mm x 25mm x 5m |
| Adcor Mastic | 310ml Cartridge |
| Adcor Adhesive | 310ml Cartridge |
| Adcor Mesh | 1m Strips |
| Secura Clips | Each |



Servistrip® AH 205

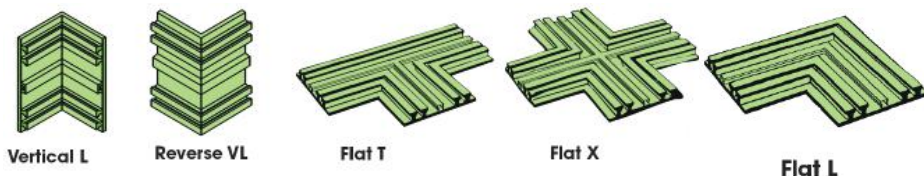
Servistrip AH 205 is a solid swellable rubber hydrophilic strip that exceeds the performance of thinly coated or hollow swellable strips. It can be cast into insitu concrete or used between insitu and existing concrete sections to provide a highly effective watertight seal. The rate of swelling is up to 400% from the original volume and is controlled to allow installation

| Technical Data | |
|------------------|------------------|
| Servistrip AH205 | 20mm x 5mm x 10m |
| Pak Adhesive | 310ml Cartridge |

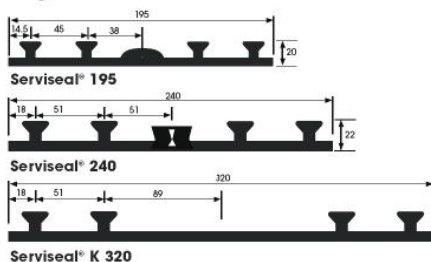


Serviseal®

Serviseal is an externally cast passive PVC waterstop system manufactured in a range of sizes for the protection of expansion, construction and contraction joints in reinforced concrete basements and sub-structures.



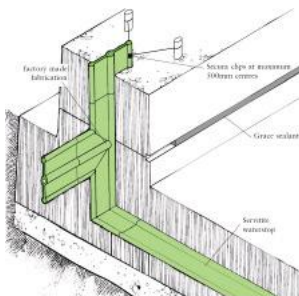
Range of Sections - all dimensions nominal



| Technical Data | |
|----------------|--------------|
| Serviseal 195 | 195mm x 10mm |
| Serviseal 240 | 240mm x 7.5m |
| Serviseal K320 | 32mm x 7.5m |
| Serviseal PC | 7.5m Coil |

GRACE Waterstops

Construction Products



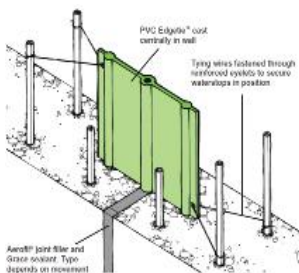
Servitite®

Servitite is a specially formulated PVC, internally cast, heavy duty waterstop system manufactured in a range of sizes and grades for use in reinforced concrete structures.

Servitite is cast into the centre of the concrete member where it provides resistance against high hydrostatic pressure from both faces.

Technical Data

| | |
|---------------|--------------|
| Servitite 150 | 150mm x 7.5m |
| Servitite 230 | 230mm x 5m |
| Servitite 305 | 305mm x 5m |



PVC Edgetie™

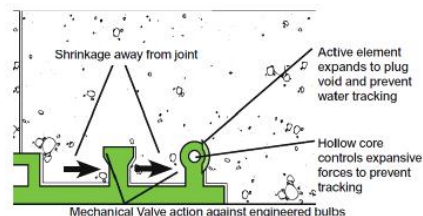
PVC Edgetie™ is an internally cast passive waterstop system manufactured in a range of sizes for sealing joints in concrete structures subject to water pressure.

PVC Edgetie waterstops, are suitable for horizontal and vertical applications. They are extruded from high grade pvc compound with first quality plasticisers to form a pliable waterstop which remains flexible at low temperatures. Being cast into the centre of the concrete member, PVC Edgetie waterstops will provide resistance against hydrostatic pressure from both faces.

Technical Data

| | |
|-------------|-------------|
| Edgetie 210 | 210mm x 10m |
| Edgetie 260 | 26mm x 7.5m |

It is essential to form a continuous waterstop network at all joints using only factory produced fabrications for changes of direction or profile, with site jointing limited to simple butt welds



AT System

The AT System is an important advance in concrete joint protection which combines Active Technology with the conventional mechanical properties of PVC waterstops.

Conventional PVC waterstops work by the normal action of the concrete shrinking away from the joint and against one face of the ribs or bulbs of the waterstop. This creates positive pressure on the rib or bulb causing a "valve action" to resist water ingress.

However, this shrinkage movement also forms an inevitable void on the opposite face of the rib or bulb which can allow water under high pressure to track along the waterstop searching for a path to bypass the waterstop.

Subsequent cyclical movement of the joint can compound the problem resulting in further leakage.

Technical Data

| | |
|---------------|--------------|
| AT System 200 | 200mm x 7.5m |
| AT System 240 | 240mm x 7.5m |

Applications:

- Basements
- Reservoirs
- Sewage treatment works



pozament
technically brilliant formulations

Hydrotite Waterstop



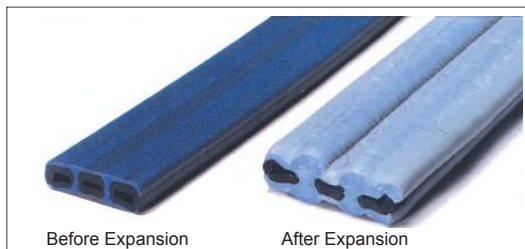
Hydrotite is a hydrophilic waterstop which exhibits excellent durability and water sealing capacity. It expands as it absorbs water and fills up concrete joint gaps conforming to the gap variation, ensuring excellent sealing.

Hydrotite is based on the technology of hydrophilics, a material which expands in a controlled fashion by approximately eight times by volume in the presence of moisture to create a pressure seal within the joint. When properly installed Hydrotite is capable of sealing heads of water up to 50m and is used throughout the construction industry to seal horizontal and vertical construction joints for poured in-situ concrete.

Hydrotite consists of a unique combination of expanding hydrophilic materials and non-expanding chloroprene rubber co-extruded together to form a single strip. The expanding section is blue with the nonexpanding section being black. The co-extruded design means that the expansion is directed across the joint for maximum sealing performance.

Dimensions & Packaging

| | |
|--------------------|--------------|
| Profile | CJ0725-3K |
| Dimensions | 25mm x 7mm |
| Roll Length | 10m |
| Rolls Per Carton | 4 No. |
| Hydrotite Adhesive | 1 & 5 Litres |



Applications

- Concrete / cast iron segmental tunnels / shafts
- Construction joints in in-situ concrete
- Box culverts
- Flexible jointed concrete pipes and steel banded jacking pipes
- Swimming pools and tanks
- Fixings to existing concrete or brick work for penstock valves etc

Features & Benefits:

- Co-extrusion ensures expansion is across the joint for maximum seal
- Unaffected by repeated wet and dry cycles
- No site welding as is required
- Delay coating to help prevent premature expansion
- Colour change indicator to confirm expansion
- Joining is by simple butt joints
- Can be applied to rough surfaces using Leak master gun grade waterstop
- Easy to handle and install
- Can be joined to traditional PVC waterstops

pozament
technically brilliant formulations

Leakmaster Waterstop Sealant



Leakmaster LV-1 is a one component polyurethane water-swelling sealant with excellent and unique physical properties.

It can be applied to places such as joints, etc., in civil engineering construction and water services for seals where conventional solid sealants cannot be applied easily.

| Product Code | Size |
|--------------|-----------------|
| LEAKMASTER | 320ML Cartridge |



Dualseal Waterstop



Dual Seal Waterstop is a Bentonite based waterstop which reacts in contact with water by swelling to form a watertight seal in concrete structures. Dual Seal Waterstop has been independently tested up to 30 metre head of water, it has full WRAS approval for use with potable water.

Applications:

Dual Seal Waterstop has been specifically designed to seal construction joints against the ingress or outgress of liquids in water retaining or excluding structures. Dual Seal Waterstop can be applied to green concrete and in damp conditions.

| Technical Data | |
|----------------|------|
| Thickness | 7mm |
| Roll Width | 25mm |
| Roll Length | 8m |



Dualseal Swelltite

Swelltite Hydrophilic Waterstop is manufactured from a neoprene polymer based hydrophilic compound and high water absorbent resins. Swelltite has been specifically designed for use in sealing construction joints between pre-cast concrete units, steel and in-situ concrete.

Unlike traditional waterstops Swelltite is centrally placed and bonded flat in the joint prior to making the second pour. Activated by water Swelltite will swell up to 5 times it's volume and seal the passage of water by exerting pressure across the joint.

Applications:

Swelltite was primarily developed for use to provide a watertight seal between pre-cast concrete units such as concrete pipes and tunnel segments, however it can be installed into a previously formed rebate for use in in-situ concrete.

| Technical Data | |
|----------------|------|
| Thickness | 5mm |
| Roll Width | 20mm |
| Roll Length | 15m |



Uraswell Hydrophilic Sealant

Uraswell is a polyurethane based sealant which swells in contact with water and forms a permanent waterproof seal. Uraswell is solvent free and non-toxic and is easily applied with a barrel gun, it provides excellent adhesion on many materials including concrete.

Applications:

Uraswell can be used for the sealing of construction joints in concrete and for sealing between concrete prefabricated elements, such as sewage pipes etc.

Uraswell is particularly effective in conditions of High Salinity and is applied up to a maximum width of 20mm.

| Technical Data | |
|---------------------|----------------|
| Colour | Off White |
| Packaging | 600ml sausages |
| Minimum Joint width | 2mm |
| Maximum Joint width | 20mm |



SikaProof A Waterproofing Membranes

SikaProof® A-05/-08/-12 is a fully and permanently bonded, self-adhesive, composite sheet membrane waterproofing system. It consists of an embossed polyolefin (FPO) membrane laminated with a sealant grid and a non-woven fleece.

SikaProof® A-05/-08/-12 is cold-applied and pre-applied, as it is installed without heat or open-flames, and before the steel reinforcement is fixed and the concrete is poured.



Used for damp-proofing, concrete protection and waterproofing for basements and other below ground concrete structures against ground water ingress:

- Below ground concrete slabs
- Below ground walls
- Extensions and reconstruction works
- For prefabricated constructions

| Product | Roll Sizes |
|-----------------------|---------------------|
| SikaProof® A-05 | 1m x 30m & 2m x 30m |
| SikaProof® A-08 | 1m x 25m & 2m x 25m |
| SikaProof® A-12 | 1m x 20m & 2m x 20m |
| SikaProof® Tape-150 | 150mm |
| SikaProof® ExTape-150 | 150mm |
| SikaProof® Patch-200 | 200mm |
| SikaProof® FixTape-50 | 50mm |
| SikaProof® MetalSheet | - |

SikaSwell Waterstops

SikaSwell 2005 & 2010 are flexible, hydrophilic waterstops, based on synthetic rubber with cross sectional dimensions of 20 mm by 5mm & 10 mm. The product is supplied in one colour (red).



| Type | Width | Thickness | Box |
|-------------|---------------|-----------|------|
| 2005 | 20mm | 5mm | 200m |
| 2010 | 20mm | 10mm | 10m |
| Sealant S-2 | 600ml Sausage | | - |

| Sika Sealant Product Range | Size |
|-------------------------------|-------------|
| Sikaswell A profile 2005 | 20m Roll |
| Sikaswell A profile 2010 | 10m Roll |
| Sikaswell P 2010 | 10m Roll |
| Sikaswell S-2 oxide red | 600ml |
| Sikaflex Tank-N concrete grey | 600ml |
| Sikadur 31 Rapid | 1.2Kg / 6Kg |
| Combiflex SG 1mm (20cm wide) | 25m Roll |
| Combiflex SG 1mm (10cm wide) | 25m Roll |
| Combiflex SG 2mm (30cm wide) | 25m Roll |
| Combiflex SG 2mm (20cm wide) | 25m Roll |
| Combiflex SG 2mm (100cm wide) | 25m Roll |

Applications:

- Construction joints
- Pipe and steel work penetrations through walls and floor slabs
- Precast concrete
- Tunnel segments
- Cable ducts, etc.
- Penetrations through concrete

Features & benefits:

- Easy to apply
- Can be applied on different substrates
- Premature swelling protective coat
- Highly economical
- Swells in contact with water
- Water resistant
- No hardening time required
- No welding required
- Adaptable to fit different detailing tasks
- Different types and dimensions available



de neef®

Bentorub®+



Bentorub®+ is a green flexible hydrophilic strip made of natural sodium bentonite clay and synthetic rubber. It comes in lengths of approx. 5 metres.

In contact with water, Bentorub®+ will swell to approximately 400% of its original volume. The expansive clay mass will thus seal these hair line cracks and voids in the joint.

| Technical Data | |
|----------------|--------------------------------|
| Bentorub + | 20mm x 25mm x 5m (30m per box) |
| | 20mm x 10mm x 5m (35m per box) |

de neef®

Bentorub® Salt



Bentorub® Salt is a red flexible hydrophilic strip made of natural sodium bentonite clay and synthetic rubber. Bentorub® Salt has the same qualities as Bentorub®+ but is manufactured to be used in contact with salt or brackish water.

In contact with salt water, Bentorub® Salt will swell to approximately 250% of its original volume.

| Technical Data | |
|----------------|--------------------------------|
| Bentorub Salt | 20mm x 25mm x 5m (30m per box) |

Bentorub Accessories

| Technical Data | | |
|----------------|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Bentosteel | Galvanised steel wire mesh for secure installation of Bentorub®+ in horizontal and vertical applications. | 30No. units each 1m long |
| Bentoglue | Bentoglue is a high strength adhesive for glueing Bentorub®+ bentonite strips to concrete surface. Bentoglue is caulk applied. | 310ml cartridge (approx 6m per cartridge) |
| Bentostic | Hydrophilic levelling putty for use with Bentorub®+. | 5kg Pail |

de neef®

Swellseal 3V



Swellseal 3V is an elastic strip made out of a combination of rubber and a hydrophilic resin. Enclosed between prefabricated concrete elements, it will expand up to 300% in contact with water.

| Technical Data | |
|------------------|------------------------------|
| Black | 20mm x 5mm x 15m (5 per box) |
| Contact Adhesive | 1 Litres |

de neef®

Swellseal Joint



Swellseal Joint is a flexible co-extruded vulcanised strip made out of a combination of chloroprene rubber and a hydrophilic resin. The orange part has a swelling capacity of up to 600% in contact with water.

| Technical Data | |
|------------------|------------------------------|
| Orange/Black | 20mm x 7mm x 10m (3 per box) |
| Contact Adhesive | 1 Litres |

de neef®

Swellseal Mastic / WA



Swellseal Mastic is a one-component, polyurethane based, solvent free, hydros swelling mastic, for the sealing of construction joints and around pipe penetrations. Swellseal WA to be used for wet / underwater applications.

| Technical Data | |
|-----------------------|------------------------------------|
| Swellseal Mastic / WA | 310ml Cartridges 600ml Sausages |

**de neef®****Denepox 40**

An ultra low viscosity, 2-component epoxy injection resin for structural injections in concrete. Denepox 40 can be used in a dry or wet environment

Technical Data

| | |
|-------------|--------------------------------------------|
| Transparent | Part A - 2.3kg pail Part B - 0.7kg pail |
|-------------|--------------------------------------------|

de neef®**Gelacryl Superflex**

Gelacryl Superflex is a 2 component acrylic based hydrophilic resin, consisting of 2 components: a resin and a catalyst which are pumped with a twin piston pump at a 1/1 ratio. Once polymerised, Gelacryl Superflex forms a

Technical Data

| | |
|-------------|------------|
| Transparent | 25 kg drum |
|-------------|------------|

de neef®**Polyurethane Grouts****HA Cut**

1-component, low viscosity, hydrophobic, aqua-reactive, semi-rigid polyurethane injection grout for cutting off gushing water leaks with a high flow rate and/or high hydrostatic pressure in applications where both high strength and flexibility are required.

HA Cut Cat

HA Cut Cat are pink non-flammable liquids. HA Cut Cat are catalysts for HA Cut water-cutting resin for applications in cold temperatures or when use of the standard catalyst does not give a fast enough reaction. HA Cut Cat F is used in 5-10% mixing ratio.

Technical Data

| | |
|------------|--------------|
| HA Cut | 25 kg drum |
| HA Cut Cat | 2.5kg bottle |

SOLCO**SOLINJECT ECO Resin & Catalyst**

SOLINJECT ECO Resin is a one component, solvent free, polyurethane injection system ideally suitable for cutting off water leaks with a high flow rate and / or high hydrostatic pressure in moving or non moving joints or cracks within diaphragm walls, concrete and masonry structures.

SOLINJECT ECO Resin is capable of filling large voids such as rock fissures, crushed faults, gravel layers, joints, cracks and honeycombs in concrete structures that are subjected to small settlement or movement.

SOLINJECT ECO Resin can also be used for curtain injections behind tunnel segment as well as for screen injection behind porous structures when high velocity water streams are present.

Reaction time can be adjusted by varying the amount of catalyst, typically this is between 6 to 10%.

Technical Data

| | |
|----------------------------|-------------|
| SOLINJECT ECO Resin (A) | 25 kg drum |
| SOLINJECT ECO Catalyst (B) | 2.5L bottle |

SOLCO



SOLINJECT FLEX Resin & Catalyst

SOLINJECT Flex Resin is a one component, solvent free, polyurethane injection system ideally suitable for grouting joints or stopping water leaks in concrete structures, which are subject to settlement and movement.

SOLINJECT Flex Resin used for protective waterproofing and gap filling around the brush tails of the TBM and for repairing the waterproof gasket as well as stopping water leaks through joints between tunnel segments.

| Technical Data | |
|-----------------------------|-------------|
| SOLINJECT FLEX Resin (A) | 25 kg drum |
| SOLINJECT FLEX Catalyst (B) | 2.5L bottle |

SOLINJECT Flex Resin can also be used for curtain injections behind tunnel segment as well as Injection of LDPE or HDPE membrane in tunnel construction.

Reaction time can be adjusted by varying the amount of catalyst, typically this is between 6 to 10%.

SOLCO



SOLINJECT ACRYLIC Resin & Catalyst

SOLINJECT Acrylic Resin is used for sealing and consolidation works in presence of water. The substance is injected through packers or injection hoses. The low viscosity of the product assures high fluidity. It's a hydrophilic system with a controlled set time.

SOLINJECT Acrylic Resin is capable of stabilising soils, voids and cavities in the form of sand grouts. It can also be used for injection of waterbearing cracks in concrete or masonry structures .

| Technical Data | |
|----------------------------------|------|
| SOLINJECT Acrylic Resin (A1) | 20kg |
| SOLINJECT Acrylic Catalyst (A2) | 1Kg |
| SOLINJECT Acrylic Initiator (A3) | 1Kg |

SOLINJECT Acrylic Resin compound gels in a few seconds to a few minutes when an activator or initiator is added just before use. The final product is a soft and tacky crosslinked gel. In wet or dry conditions, the volume of the gel increases or decreases in a reversible manner assuring perfect waterproofing. Reaction time can be adjusted by varying the amount of catalyst and initiator used.

SOLCO



SOLINJECT Hose - Injection System

SOLINJECT HOSE is a preventative injection tube for the permanent sealing of cold and construction joints in concrete, pipe penetrations and voids between slurry walls and slabs, etc. Where new and old concrete will join an injection tube is installed. Preferably, the injection will be executed after curing and setting of the concrete. The leaking joints can thus be permanently sealed.

| Technical Data | |
|---------------------|--------|
| Hose Roll | 100m |
| Pressure Hose Roll | 10m |
| Push-Fit Connectors | 20 No. |
| Anchoring Clamps | 400No. |

The injection hose is made from expanded PE whose walls have a porous structure with cells that are connected in a zigzag pattern. The cells open under the pressure of the injected resin and the special water-repellent coating prevents the penetration of fluids from outside.

**SOLCO****SOLSEAL Flexible Liquid Membrane**

Solseal Flexible Liquid Membrane (FLM) is an all-weather, single component polyurethane liquid coating that cures by reaction with atmospheric moisture to produce a seamless flexible and elastomeric waterproofing membrane.

When designing Type A structures as classified in BS 8102:2009) the product when applied correctly is capable of providing levels of protection required for Grades 1, 2, & 3 basements. Solseal Flexible Liquid Membrane is CE marked & EOTA certified for 25 years against European Technical Assessment regulation (EU) No 305/2011

**Technical Data**

| | |
|----------|---------------|
| FLM | 5 & 20 Litres |
| Overcoat | 6 - 8 Hours |

Benefits

- Excellent UV Resistance
- 1.5mm Thick, Bubble Free, Single Coat Application
- Self-Accelerated Curing Time – Resistant to Rain in 1 Hr
- Bubble & Defect Free Membrane
- High Tensile & Tear Resistance
- Good Chemical Resistance
- High Resistance to Extreme Temperatures of -40° to +80°
- High Resistance to Abrasion, Very Flexible & High Elasticity
- Excellent Adhesion to all Substrates (with appropriate Primers)
- Water & Water Vapour Barrier

Applications

- Internal & External Tanking
- Sub-structures & Basements
- Lift Pits
- Retaining Walls
- Ground Floor DPM
- Parapet Wall & Plinths
- Balconies & Verandas
- Reservoirs
- Planters
- Podium Decks
- Gutters
- Water Storage Tanks & Ponds
- Roofs

SOLSEAL Primers

- **Solseal Primer PU4** is a single component same day primer that takes 4 hours to become tack free, you can then apply Solseal Flexible Liquid Membrane over this primer. It can be applied to concrete, timber, bitumen, metal & most substrates
- **Solseal Primer PU24** is a single component primer that takes 12 hours to dry. It is a next day primer you can then apply Solseal Flexible Liquid Membrane over this primer. Solseal Primer PU24 can be applied over wet concrete, rainy conditions after application has no effect on performance. It can be applied to concrete, timber, bitumen, metal & most substrates.

Technical Data

| | |
|-------------|---------------|
| Primer PU4 | 5 & 20 Litres |
| Overcoat | 4 Hours |
| Primer PU24 | 5 & 20 Litres |
| Overcoat | 12 Hours |

SOLCO**SOLSEAL Aqua Barrier**

Solseal Aqua Barrier is certified as a 'Class III' water and humidity barrier which makes it ideal for applications subject to negative pressure / rising humidity. Solseal Aqua Barrier also complies with the requirements of BS 5908 and coating for chemical plant bund walls and floors. Solseal Aqua Barrier is impervious to water, and when subjected to normal service conditions, will provide an effective barrier to the transmission of liquid water and water vapour, for the design life of the structure in which it is incorporated.

Technical Data

| | |
|------------|-----------------------|
| Form | Clear Liquid |
| Pack Sizes | 4kg (1kg + 3Kg) |
| | 10 Kg (2.5kg + 7.5kg) |
| | 20kg (5kg + 15kg) |

Applications

- Marine Concrete
- Bund Walls & Floors
- Plant Rooms & Computer Room Floors
- Anti Skid Walkways Traffic Decks.
- Water Features and Roof Gardens

SOLCO



SOLSEAL Liquid Asphaltic Coating

Solseal Liquid Asphaltic Coating is a liquid applied coating which when cured, forms an impermeable water and water vapour proof membrane. Solseal Liquid Asphaltic Coating is typically used as a damp proof membrane to ground floors, as a vapour barrier behind cladding and for tanking of basements. It is also suitable for waterproofing foundation walls, ducts, lintels, columns, beams and similar structures at, above and below ground level.

Features & Benefits:

- Water and water vapour barrier
- High bond strength
- Cold applied, jointless membrane
- Fast curing, elastic and flexible
- Easily applied to difficult profiles
- Can also be used to provide a barrier to Radon Gas.

Technical Data

| | |
|-----------|-------------------------------------|
| Packaging | 5, 25 & 205 litres |
| Colour | Black |
| Coverage | 1 - 2 Litre / m ² / Coat |

SOLCO



SOLSEAL Roadcoat Barrier

Solseal Roadcoat Barrier is used to protect iron and steel from corrosion and concrete structures from ground water. Solseal Roadcoat Barrier meets the requirements of the DTp specification for highway works March 1998 series 2000 clause 2004.

Applications:

Bridge Abutments, Retaining Walls, Culverts, Subways, Reservoirs and the protection of Iron and Steel from corrosion and drinking water tanks

Features & Benefits:

- Simple and rapid application.
- Overcoat in 4 hours in ventilated conditions.
- Can be applied to green concrete.
- Can be applied to Masonry & Steel
- Tins can be opened and re-sealed with no surface skinning inside the can

Technical Data

| | |
|--------------------|--------------------------------|
| Form | Bitumen Solution |
| Pack Sizes | 5 & 25 Litres |
| 2 Coat Application | 6m ² / litre / coat |
| Overcoat Time | 2 - 4 Hours |

SOLCO



SOLSEAL Rubberised Bitumen Emulsion

Solseal Rubberised Bitumen Emulsion is a cold applied, odourless, rubber enriched bitumen emulsion for use both internally and externally. It provides a highly efficient sandwich damp-proof membrane for floors. It is used to provide a high build, flexible waterproof and protective coating for above ground concrete, brickwork and blockwork and is suitable for applications such as:

Floor Slabs, Retaining Walls, Foundations & Bridge Abutments

Features & Benefits:

- Simple and rapid application.
- Overcoat in 4 to 6 hours in ventilated conditions.
- Highly efficient cold-applied, damp-proof membrane
- Curing membrane when applied to green concrete.
- Adhesive for wood blocks, wood mosaic, panels, insulation board and expanded polystyrene.

Technical Data

| | |
|---------------|------------------------------------------|
| Form | Dark Brown liquid |
| Pack Sizes | 5 & 25 Litres |
| Overcoat Time | 24 Hours |
| Coverage | 1.25 - 2.0 Litre / m ² / Coat |

**SOLCO****SOLSEAL Bitumen Paint**

Solseal Bitumen Paint is a general purpose, bituminous black paint for waterproofing and weather protecting steelwork, asphalt and wood, concrete and potable water tanks.

When dry it forms an odourless and taint-free bitumen film. Black Bituminous Paint conforms to BS 3416 1991 Types 1 & 11 Class A. Black Bituminous Paint forms a waterproof, weatherproof, corrosion resistant protective coating.

Technical Data

| | |
|------------|-----------------------------------------------------------|
| Form | Bitumen Solution |
| Pack Sizes | 5 & 25 Litres |
| Coverage | 0.75 Litres / m ² (dependant upon porosity) |

Features & Benefits:

- Surface does not require priming
- Easily installed by non-skilled operatives
- Metal protection for any type of exterior metalwork
- Protecting drinking water tanks.
- Protective coating for concrete, stone, brick, concrete screeds and sand/cement surfaces.

SOLCO**SOLSEAL Pile Cap Sealer**

Solseal Pile Cap Sealer is a surface applied system which waterproofs and protects concrete in depth, it consists of ordinary Portland cement, specially treated quartz sand and a compound of active chemicals.

When Solseal Pile Cap Sealer is applied to a concrete surface the active chemicals combine with the free lime and moisture present in the capillary track, to form insoluble crystalline complexes. These crystals block the capillaries and minor shrinkage cracks in the concrete to prevent any further water ingress (even under pressure).

Technical Data

| | |
|--------------|---------------|
| Colour | Cement Grey |
| Bulk Density | 1.25 (approx) |
| Setting Time | 60 mins |
| Pack Size | 25kg Pail |

Applications:

- Basements / retaining walls
- Concrete slabs (floor/roof/balcony)
- Construction joints
- Water retaining structures
- Swimming pools
- Sewage treatment plants

SOLCO**SOLBOND SBR**

SOLBOND SBR is a styrene-butadiene co-polymer latex specifically designed for use with cementitious mixes. Used in mortar and concrete as an admixture to increase water and abrasion resistance and durability. It is used with cement as a reliable water resistant bonding agent

Technical Data

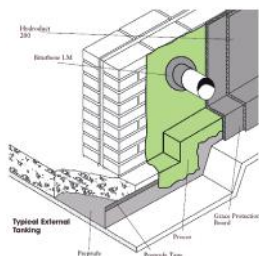
| | |
|----------------------|-------------------------|
| Form | White Liquid |
| Tensile Strength | 6.5 N/mm ² |
| Compressive Strength | 45-50 N/mm ² |
| Pack Sizes | 5 & 25 litres |

Features & Benefits:

- Greatly increased flexural & tensile strength.
- Greatly reduced shrinkage & bleeding
- Lower water-cement ratio.
- Increased durability and toughness,
- Resistant to many chemicals/mineral oils.
- Excellent adhesion to steel and concrete, brick, glass, asphalt, wood and polystyrene
- Enhanced corrosion protection.

GRACE

Construction Products



Applications:

- Podium decks
- Terraces
- Inverted roofs
- Basements
- Retaining walls
- Lift pits
- Floors
- Wet rooms
- Superstructures - vapour barrier
- Service reservoir roofs

Procor® Liquid Waterproofing Membrane

Procor® is a two-component, synthetic rubber, externally applied liquid waterproofing membrane. It cures to form a resilient, fully bonded elastomeric sheet. Procor will protect structures against water and water vapour ingress. At a single coat thickness of 1.5mm, Procor will resist a hydrostatic head in excess of 20m when fully loaded. Damp surface tolerant, can be applied to green concrete and damp to touch surfaces

| Product Description | Size | Coverage |
|------------------------------------------------------------------------------------------------|---------------------|-------------------|
| Procor® 10 Trowelling grade for horizontal surfaces. Vertical application < 12°C. | 7.5L | 4.5m ² |
| | 20L | 12m ² |
| Procor® 20 Trowelling grade for vertical surfaces > 12°C. | 7.5L | 4.5m ² |
| Ancillaries | | |
| Grace® Protection Board | 1.0 m x 2.0 m x 3mm | |
| Servipak® 3 protection board | 1.0 m x 2.0 m | |
| Armourtape™ | 75mm x 10m roll | |
| Bitutape™ 4000 | 70mm x 20m roll | |
| Preprufe® Tape | 100mm x 15m roll | |
| Bituthene® LM | 5.7 litre | |
| Servijoint® One | 310 ml | |
| Adcor® 500S | 6 x 5 m rolls | |



Synthaprufe



IKOpro Synthaprufe Original is a high performance, brush applied damp proofing emulsion containing synthetic rubber latex which provides a seamless waterproof and vapour resistant, black elastomeric membrane. Synthaprufe Original exhibits low odour, with exceptional flexibility and crack resistance, even at low temperatures.

IKOpro Synthaprufe is a high performance waterproofing liquid used as a damp proof membrane and water-repellent coating. It forms a flexible membrane when cured and provides an effective barrier to water and water vapour. A cold-applied liquid asphaltic compound, containing synthetic rubber latex which, once applied, dries to provide a waterproof and vapour resistant black, flexible film.

| Technical Data | |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Synthaprufe Orig | 5 & 25 Litres |
| Synthaprufe | 5 & 25 Litres |
| Orig: 1st coat 1m ² /L; 2nd coat 1.5m ² /L Syn: 1st coat 1.5m ² /L; 2nd coat 2.5m ² /L | |

Features & Benefits:

- Suitable for damp proofing of concrete, brick, blockwork, masonry and steel
- Bonds with vertical surfaces, ideal for the tanking of basements
- Performance adhesive for wood block flooring
- Excellent resistance to sulphates and soil salts
- Cold applied, easily to apply



Ronacrete



Ronafix



Ronafix is a high performance site batched, Agrément Board certified, water based SBR polymer for producing waterproof renders. The cured mortar bonds monolithically to concrete and other surfaces and will resist both positive and negative pressure. Ronafix is used in swimming pools, tanks and basements to contain or exclude water. For damp proofing walls use Ronafix as a thin bonded render to resist moisture and the passage of

Applications:

- Thin bonded render, screed and cove
- Internal and external application
- Basements, swimming pools, ponds, tanks,
- Suitable for use on concrete, brickwork, blocks

Technical Data

| | |
|---------|---------------------|
| Ronafix | 5 / 25 & 205 Litres |
|---------|---------------------|



Dryzone Cream



Dryzone is a revolutionary new material for the control of rising damp. The Dryzone cream is introduced by means of a simple applicator gun into a series of holes drilled into the mortar course.

Once the Dryzone is installed, it uses the moisture contained in the damp wall to diffuse where it is most needed before curing to form a water repellent resin.

Technical Data

| | |
|---------|------------------|
| Dryzone | 600ml Cartridges |
|---------|------------------|



Planicrete SBR

Synthetic-rubber latex additive for interior and exterior cement mixes, to improve mechanical and adhesive characteristics. Additive for cement slurries for anchoring bonded screeds, filling holes or repairing damaged sections of screeds, concrete floors etc. Additive for spatterdash to provide anchoring for renders.

Applications:

- High strength cement screeds for interior / exterior use.
- Cement mortars for laying ceramic tiles
- High strength cement renders for interiors and exteriors

Technical Data

| | |
|----------------|----------------|
| Planicrete SBR | 1,5,10 & 25 kg |
|----------------|----------------|



Idrosilex

Idrosilex is an Integral waterproofer for cementitious mortars used to obtain waterproof renders and screeds. Idrosilex is especially recommended for waterproofing basements, swimming-pools, reservoirs, tunnels etc. Idrosilex is based on waterproofing additives available both as a liquid and a powder.

Applications:

- Waterproof screeds and renders in basements, garages & underground areas in general.
- Waterproof rendering for canals, swimming pools, etc;
- Waterproof rendering on building façades;
- Waterproofing of lift wells and underpasses.

Technical Data

| | |
|------------------|---------------|
| Idrosilex Liquid | 6 & 25 kg |
| Idrosilex Powder | 25 x 1kg bags |



SIKA 1, 2, 3, 4 & 4A



| Product | Description | Application |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sika 1 | Integral liquid waterproofing admixture component for structural waterproofing. | Waterproof renders & screeds to resist water pressure below ground and moisture above ground level. Internal waterproof tanking. General waterproofing admixture for mortar Part of the Sika Watertight Concrete system |
| Sika 2 | Sika 2 is a ready to use rapid setting leak stopping liquid which is mixed with ordinary portland cement to produce a paste for rapid leak sealing against high water pressure infiltration | To seal against high water pressure infiltrations in concrete, rock or masonry. Allows Sika 1 renders, gunite or shotcrete to be applied on structures exposed to running surface water. |
| Sika 3 | All purpose setting and hardening accelerator also repairing cracks and joints (contains calcium chloride). | To seal leaking joints in brickwork, subject to low pressure and small water infiltration. To seal fissures in rock subject to low pressure and small water infiltration. As an antifreeze in mortar for cold weather working down to -2°C.. |
| Sika 4 | A ready to use quick setting leak stopping liquid which is mixed with water and ordinary portland cement to produce a paste for leak stopping against low water pressure infiltration. | To seal against low water pressure and small infiltrations in concrete, rock or masonry. Allows Sika 1 renders to be applied on structures exposed to surface water. |
| Sika 4A | Sika 4a is a ready to use quick setting leak stopping liquid which is mixed with water and ordinary portland cement to produce a paste for leak stopping against high water pressure infiltration. | To seal against high and moderate water pressure infiltrations in concrete, rock or masonry. Allows Sika 1 renders, gunite or shotcrete to be applied on structures exposed to running surface |

| Type | Set Time | Consumption | Pack size |
|---------|-------------|----------------------------------|---------------|
| Sika 1 | n/a | 1.5L per 50kg cement | 5 / 25 Litres |
| Sika 2 | 10 - 20 sec | 0.75 Litres per kg cement | 5 Litres |
| Sika 3 | 1 - 3 mins | 0.23 - 0.7 Litres per kg cement | 5 Litres |
| Sika 4 | 25+ sec | 0.15 - 0.7 Litres per kg cement | 5 Litres |
| Sika 4a | 45 sec | 0.18 - 0.35 Litres per kg cement | 5 Litres |



**SOLCO****SOLTANK Super**

SOLTANK SUPER, when mixed with clean water, forms an extremely durable waterproof coating for concrete and masonry which is easily applied by a stiff hand brush, broom or spray.

Available in grey or white. Both products may both be covered with a decorative finish or left uncovered. Approved by WRAS (Water Regulations Advisory Scheme) for Potable Water applications.

Typical Uses:

- Basements / Foundations / Tunnels.
- Shower and bathroom areas
- Concrete Drinking Water Tanks.
- Swimming Pools.
- Pools/Fish Ponds.

| Product | Container Size |
|---------------|-------------------------------|
| SOLTANK Super | 20 Kg |
| Coverage | 1.5kg / m ² / Coat |

Feb[®]**FEB Brushcrete**

FEB BRUSHCRETE is a two component polymer modified cementitious waterproofing compound which when mixed can be applied to concrete, masonry and most common building substrates to form a waterproof barrier.

FEB BRUSHCRETE consists of a 15kg bag of BRUSHCRETE POWDER and a 5kg bottle of BRUSHCRETE LIQUID.

Typical Uses:

- As a lining for water retaining structures.
- Waterproofing foundations.
- Coating seawater channels.
- A waterproof coating for roofs.
- Floors and walls in shower and bathroom areas prior to the application of a decorative finish

| Technical Data | |
|-------------------|-------|
| Brushcrete Powder | 15 kg |
| Brushcrete Liquid | 5 Kg |

CETCO**Volseal 250**

VOLSEAL 250 is a two-component acrylic polymer modified cementitious waterproof coating, with elastic properties. VOLSEAL 250 provides surface waterproofing for internal and external applications, subject to both positive and negative hydrostatic pressure, against concrete or prepared masonry.

CONCRETE / MASONRY SURFACES (internal and external). Two 1mm coats of VOLSEAL 250 at 1.5-2kg/m² per coat, applied by brush, roller, or spray equipment. Second coat applied at right angles to the first.

| Technical Data | |
|----------------|--------------------------|
| Product | Size |
| Volseal 250 | 25kg Powder + 10L Liquid |

Features & Benefits:

- Internal / external waterproofing of concrete or prepared masonry structures
- Vertical surfaces as part of the VOLSEAL Deck 400 System
- Termination and continuity detailing as part of the Volclay VOLTEX Waterproofing System



SIKATOP 121

Thin Layer Waterproofing Render and Levelling Mortar

SikaTop-121 is a two component polymer modified cementitious waterproof mortar comprising of a liquid polymer and a special cement based mix incorporating admixtures.



Technical Data

| | |
|--------------------------------------------------------------------------------------|--------------------------|
| SIKATOP 121 (Cement grey) Component A: white liquid, Component B: grey powder | 10 kg & 25 kg bags |
|--------------------------------------------------------------------------------------|--------------------------|

Applications

- For internal waterproof tanking of concrete basements
- Pits and tanks against ground water ingress
- Water tanks, pools, etc, against leakage
- Fine crack and blow hole filler
- Concrete repair smoothing coat/levelling mortar
- Bonding primer for SikaTop repair mortars
- Pre-batched for quality
- No water required
- BBA approved

System Components

- SikaTop 121 - part of the SikaTop Concrete Repair System.
- SikaTop® Armatec-110 EpoCem: Reinforcement coating
- SikaTop®-121: Bonding primer
- SikaTop®-122: Hand applied repair mortar
- SikaTop®-122HB: High build hand applied repair mortar
- SikaTop®-121: Smoothing coat
- Sika® FerroGard®- 903: Corrosion inhibitor



Sikadur Combiflex System

High performance joint sealing system for construction, expansion and connection joints as well as for cracks. When fixed to the joint, allows irregular and high movement in more than one direction, whilst maintaining a high quality seal.

The Sikadur®-Combiflex® System consists of a flexible Hypalon waterproofing tape and a suitable Sikadur® epoxy adhesive.



Applications

- Tunnels and culverts
- Hydro electric power plants
- Sewage treatment plants
- Basements & Swimming Pools
- Water retaining structures and drinking water reservoirs
- Joints between rigid and flexible surfaces
- Around iron, steel and concrete pipes

Technical Data

| | |
|----------------------------------|----------------------------------------------------------------|
| Sikadur®-Combiflex® Tape: | SG10M - 1 mm x 100mm x 25m SG20M - 2 mm x 100mm x 25m |
| Sikadur®-31 CF Normal (Adhesive) | 6 kg units (A+B) Pre-batched 1.2 KG units (A+B) Pre-batched |

Characteristics

- WRAS Approved
- Suitable on dry and damp concrete surfaces
- Extremely flexible
- Works on a wide range of temperatures
- Excellent adhesion to many materials
- Weather and water resistant & Fast curing
- Suitable for contact with drinking water
- Good resistance to many chemicals



Mapelastich

Mapelastich provides a highly flexible waterproof coating to concrete structures, particularly those subjected to cracking. Mapelastich seals hairline cracks already present in substrates, it is also suitable for surfaces permanently in contact with drinking water, as long as its after its hardening, it is repeatedly washed with water at +40°C.

| Technical Data | |
|--------------------|-----------------------------|
| Mapelastich Part A | 24 kg |
| Mapelastich Part B | 8 kg |
| Coverage | 1.7Kg / m ² / mm |

Applications:

- Waterproof coating for balconies, terraces, bathrooms, etc. prior to laying directly applied ceramic floors onto surfaces that are clean and damp but free from standing water.



Mapelastich Smart

Two component, high flexibility cementitious mortar, for waterproofing concrete surfaces, balconies, terraces, basins and swimming pools. The mortar is applied by brush or with a roller on surfaces that must be perfectly clean and sound.

Apply thickness of at least 2 mm and embed the Fibreglass Mesh or Mapetex Sel. Avoid the Mapelastich Smart membrane coming into contact with water for 24 hours after laying. Wait at least 5 days before laying ceramic tiles.

| Technical Data | |
|----------------|-----------------------------|
| Part A | 20 kg |
| Part B | 10 kg |
| Coverage | 1.6Kg / m ² / mm |

Applications:

- Mapelastich Smart is used to form highly flexible, waterproof and protective dressings on concrete structures, even those subject to cracking.
- Existing cementitious screeds, floors and renders to waterproof bathrooms, showers, balconies, terraces and swimming pools before laying ceramics / stone.



Idrosilex Pronto

Pre-blended heavy-duty waterproofing cementitious mortar. Use Idrosilex Pronto to waterproof foundations, walls, cellars, basements, lift-rooms, swimming-pools, canals and reservoirs. Idrosilex Pronto can be applied with a brush, trowel or spray. Formulated from cement binders and special waterproofing additives, Idrosilex Pronto is prepared by mixing a 25 kg bag with clean water.

Applications:

- Interior and exterior cellar walls;
- Damp areas;
- Swimming pools and reservoirs;
- Lift-rooms;
- Underground passages;
- Foundation walls;
- Irrigation canals

| Technical Data | |
|------------------|-----------------------------|
| Idrosilex Pronto | 25 kg |
| Coverage | 1.6Kg / m ² / mm |

de neef® Aquatek Super XA



Aquatek Super XA is a powder with a very high concentration of active ingredients, composed of Portland cement, selected silicas, chemically reactive ingredients and modifiers.

When mixed with water and applied to a concrete surface, its active chemicals combine with the free-lime and the humidity, to form long chained insoluble crystalline complexes which block the capillaries and micro-fissures in the concrete, thus stopping water penetration.

Technical Data

| | |
|--------------|----------------------------------|
| Grey / White | 25 kg bag |
| Coverage | 0.75Kg / m ² per coat |

Applications:

- Waterproofing and protective coating for concrete constructions, both below and above ground.
- Basements, water reservoirs, water tanks, water treatment plants, tunnels, swimming pools, canals, conduit pipes, ponds etc. can be permanently sealed with Aquatek Super XA.

de neef® Aquatek Plug & Plug XF



Aquatek Plug & Plug XF are powders composed out of cement, selected silicas and modifiers.

When mixed with clean water Aquatek Plug & Plug XF provide rapid setting plugging mortars.

Technical Data

| | |
|------|-----------------|
| Grey | 10 / 25 kg Pail |
|------|-----------------|

Applications:

- Stops active water leaks and seepage, even under high pressure through joints, cracks, honeycombing and holes in all structures made out of concrete, masonry, stone and renders



Flexcrete Cementitious Coating 851

Flexcrete 851 is a two component, thixotropic, cementitious modified polymer coating with high adhesion to both concrete and steel. Flexcrete 851 forms a hard, highly alkaline coating with a degree of elasticity which not only protects the concrete, or other substrates, from the effects of aggressive acid gases, moisture and chlorides, but also has greatly enhanced chemical resistance. It is particularly suited for the protection of concrete in sulphate contaminated ground conditions. Flexcrete 851 can be reinforced with Cemprotec 2000-S tape to accommodate movement around details and over cracks and joints where further movement is expected. Complies with EN1504-2, DWI 31, BBA, WRAS and London Underground Registered

Technical Data

| | |
|-------------------------|-------|
| Flexcrete Liquid Part A | 5 kg |
| Flexcrete Powder Part B | 25 kg |

Applications:

- Structural waterproofing.
- Protection from chloride ingress and carbonation.
- Reinstatement of cover.



Cemprotec Elastic

Cemprotec Elastic is an elastomeric, cementitious modified, polymer-rich coating which maintains its flexibility under permanent immersion and when exposed externally.

When mixed Cemprotec Elastic exhibits a good degree of thixotropy to enable ease of application by brush or spray techniques to give an even finish with no sagging, even in vertical situations. It hydrates to form a durable, highly alkaline, permanently elastomeric coating which not only protects the concrete or other substrates from water penetration and carbon dioxide diffusion, but also accommodates movement in cracks. It is non-hazardous and ideally suited for application in confined spaces. Complies with EN1504-2 & WRAS.

Technical Data

| | |
|--------------------------|-------|
| Cemprotec Elastic Part A | 5 kg |
| Cemprotec Elastic Part B | 25 kg |

Applications:

- Sealing of water tanks
- waterproofing of exposed, buried or green roofs,
- Crack isolation membrane on concrete floors or screeds



Cemprotec E942

Cemprotec E942 incorporates the benefits of copolymer and epoxy resin technologies into a water based cementitious system to give a hard, durable coating with excellent resistance to water, chloride ions, oxygen and aggressive chemicals. Cemprotec E942 can be used as a stand-alone anti-corrosion coating for ferrous metals as well as waterproofing and protection of concrete where enhanced chemical and abrasion resistance is needed.

Complies with EN1504-2.

Technical Data

| | |
|-------------------------|-------|
| Cemprotec Liquid Part A | 5 kg |
| Cemprotec Powder Part B | 25 kg |

Applications:

- Waterproofing and protection of concrete where enhanced chemical resistance is needed.
- Anti-corrosion coating for ferrous metal.



Cemprotec 2000-S

CEMPROTEC 2000-S is an advanced, elastomeric, highly tear resistant, breathable, waterproof composite tape, which is embedded in the CEMPROTEC range of cementitious coatings to give a highly flexible, impermeable seal over "live" cracks and expansion or construction joints in waterproofing applications. chemical and abrasion resistance is needed. WRAS Approved

Technical Data

| | |
|------------------|-------------|
| Cemprotec 2000-S | 120mm x 10m |
| | 200mm x 10m |

Applications:

- Elastomeric, waterproof reinforcing tape, giving an impermeable, highly flexible, seal over 'live' cracks and expansion / construction joints.



Solcourse Ecomembrane



Solcourse Ecomembrane is manufactured from 100% post-use waste, recycled polyethylene. This helps ensure that less waste is sent to landfill making this an environmentally friendly product.

The quality of the product is not compromised in any way so that the Ecomembrane can be used in exactly the same way as the standard DPM.

| Sheet Thickness | Sheet Size | Roll Weight |
|---------------------|------------|-------------|
| 500 mu / 2000 gauge | 4m x 12.5m | 23 kg |
| 300mu / 1200 gauge | 4m x 25m | 27 kg |
| 250mu / 1000 gauge | 4m x 25m | 23 kg |

- BBA Agrément Certified
- 100% Recycled from 'Post-use' waste ensuring less waste going to landfill sites
- Same performance as traditional DPM
- High Strength & Puncture Resistant
- Use with the Solco DPC System Accessories



Solcourse Damp Proof Membranes



Solcourse HP DPM is manufactured from recycled polythene material this strong and BBA accredited damp proof membrane in gauges, 500 gauge (125 micron) 1000 gauge (250 Micron thick) and 1200 gauge (300 Micron) 2000 gauge (500 micron).

| Sheet Thickness | Sheet Size | Sheet Colour |
|----------------------------------|-------------|--------------|
| 500mu | 4 x 12.5 | Blue |
| 500mu | 4 x 12.5 | Black |
| 500mu | 2 x 25 | Blue |
| 500mu | 2 x 25 | Black |
| 300mu | 4 x 25 | Black |
| 300mu | 4 x 25 | Blue |
| 250mu | 4 x 25 | Black |
| 250mu | 4 x 25 | Blue |
| 250mu | 4 x 25 | Clear |
| 125mu | 4 x 50 | Black |
| TPS | 4 x 25 | Clear |
| Orange Flame Retardant Polythene | | |
| 250mu | 4 x 25 | Orange |
| Polythene Jointing Tape | | |
| N/A | 100mm x 33m | Yellow |

All Solcourse Polythene Damp Proof Membranes are fully compliant with the minimum standards for damp proof membranes as UK building regulations.

Damp Proof Membrane provides a barrier for moisture, usually used within building foundations it can also be used for a range of other damp proofing applications. Solcourse can also produce DPM in a range of sizes and specifications to meet your specific needs.





SOLCO



Solco EPDM Pond Liner

Solco Pond Liner is an EPDM Geomembrane specifically designed for garden pond and lake applications. Its formulation and production process makes it perfectly compatible with aquatic life, in accordance with test reports published by the UK Water Research Centre. Solco's EPDM Geomembrane offers dependable performance without compromise for many applications including garden ponds, ornamental lakes, canal refurbishment, dirty water lagoons, and reservoirs.

Available in a range of standard and bespoke sizes.

SOLCO

Solco PVC Pond Liner

Solco PVC Pond Liner is economical but still a very high quality product, our PVC Pond Liner is suitable for small to medium sized ponds where budgets are limited to a minimum.

| PVC Pond Liner 0.5mm | PVC Pond Liner 0.5mm |
|----------------------|----------------------|
| Roll Sizes (w x l) | Roll Sizes (w x l) |
| 2.0m - 12m x 25.0m | 2.0m - 10m x 25.0m |

SOLCO

Solco Geotextile Underlay

Solco TS60 and TS40 are mechanically bonded non-woven geotextiles made of UV stabilised polypropylene. Our geotextile underlays offer exceptionally high performance and provide a highly effective protective barrier between substrate and liner.

We recommend that our underlay is used beneath all our liners, not only to help protect liners from penetration by sharp stones, roots, etc, but also to reduce excessive localised stretching of the liner

| TS40 180gsm | TS60 260gsm |
|-------------|--------------|
| 2.0m x 25m | 2.0m x 30.5m |
| 2.0m x 200m | 2.0m x 135m |

SOLCO

Solco Bentonite Pond Liner

Solco Bentonite Pond liner is a reinforced needle-punched geosynthetic clay liner (GCL) specifically designed for surface water impoundments and secondary containment.

GCLs are widely used in decorative lakes, balancing ponds, wetlands, reed beds and industrial and aeration lagoons. These products are also used in canal lining and river and stream diversions. Because they do not require specialised welding equipment or labour, GCLs can be installed with minimal instruction and supervision.

- Used in place of compacted clay or geomembranes for ponds, lakes, lagoons, canals, irrigation schemes
- Natural lining material
- Installation in less favourable weather and ground conditions
- Self-sealing if punctured
- No welding required
- Good slope stability characteristics
- Bespoke design service available





| | |
|---------------------------------------------------|--------------|
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SOLCO GROUND GAS PROTECTION, VOC & HYDROCARBON BARRIERS

As demand for housing continues to increase, so does the pressure to develop on brownfield and other potentially dangerous land. Any buildings constructed on or near gas contaminated land face a genuine risk of hazardous gases penetrating up through the floor. If not allowed to escape, these gases can build-up and concentrate to either asphyxiating or even explosive levels, causing a significant health and safety risk. The 1991 Building Regulation C2 requires that the occupants of buildings should be protected from the effects of gaseous contamination in the ground. Importantly, the choice of membrane should not only be down to its gas permeability, it should also be selected according to its ability to withstand the construction process.

Solco's Gas Protection membranes comply with all the latest guidance on the use of gas resistant membranes. They are BBA Certified for use in a range of situations and provide outstanding protection against hydrocarbon and VOC vapours, as well as common ground gases such as carbon dioxide, methane and radon. These membranes also offer exceptional robustness and long-term reliability.

Solco's Hydrocarbon Barrier offers a safe solution for the protection of buildings and occupiers against all levels of hydrocarbons, methane, carbon dioxide and radon ingress. Typically, these are sites previously used as petrol stations, coalfields landfill sites, contaminated industrial sites, Fracking sites, and heavily contaminated sites. The membrane also acts as a damp-proof membrane. Due to the flexible nature of our hydrocarbon Barrier's they also provide a flexible membrane suitable for various applications unlike rigid HDPE rich membranes.

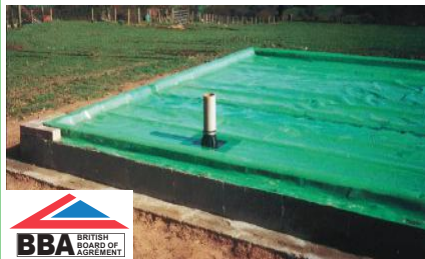
Solco membranes are designed to withstand the most aggressive environments. Testing has been completed in accordance with BS8485:2015 and C748 to determine the permeation rates for Methane, Carbon Dioxide, and a range of VOC's. Immersion testing has also been completed to for Chemical Resistance to EN 14414 and EN 14415. The level of testing is to prove the suitability for these challenging environments.

Solco can also supply a Liquid Gas Barrier which can be used to protect most building surfaces from the effect of liquid and water vapour, carbonation and to act as a gas barrier to prevent the ingress of Methane, Carbon Dioxide, Radon and VOC's. As the product is a barrier to moisture it can be used as a DPM on floors and walls. Solco's Liquid Gas Barrier is tested to meet the requirements of BS8485:2015.

Solco's Gas Protection System(s) also includes a range of accessory products to the Barrier System including, Geotextiles for protection of the Gas Barrier, Void Ventilation Geocomposites, DPC's and self-adhesive products for complex installations.



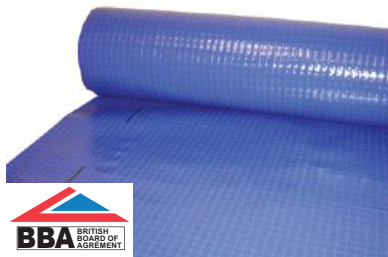
| Gas Product Selector | Radon | NHBC / Amber 1 | BS8485 / Amber2/CS2 | C748 | C748 | BS8102 |
|-----------------------------------------------|--------|-----------------------------------|------------------------------|---------------------------------|-----------------------------------|------------|
| | BRE211 | CO ₂ / CH ₄ | CO ₂ / Methane | Hydrocarbon / VOC Vapours | Hydrocarbon / VOC Immersion | Waterproof |
| Solshield Radon Gas Barrier | ✓ | | | | | |
| Solshield Reinforced Gas Barrier | ✓ | ✓ | | | | |
| Solshield Ultra Gas Barrier | ✓ | ✓ | ✓ | ✓ | | |
| Solshield Flexible Hydrocarbon Gas Barrier | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Solco GP TITANBOND | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Solco GP TITANFLEX | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Solsheet GR SA Membrane | ✓ | ✓ | ✓ | ✓ | | ✓ |
| Solseal Liquid Gas Membrane | ✓ | ✓ | ✓ | | | |
| Solseal PB-2K Liquid Membrane | ✓ | ✓ | ✓ | ✓ | ✓ | |

**SOLCO****SOLSHIELD Radon Gas Barrier**

- CE Marked
- BBA Agrément Certificate 12/4945
- Complies with relevant codes of practice such as current BRE and CIRIA
- Protects against the ingress of Radon
- High resistance to puncture.
- Also acts as a damp proof membrane

SOLSHIELD Radon Gas Barrier is a very effective gas barrier for the protection of buildings and occupiers from the ingress of gas and moisture. The building regulations require that proper precautions be taken to prevent danger to health and safety when building on gas contaminated land. When installed **SOLSHIELD Radon Gas Barrier** is an effective solution to the problem and can be laid with confidence. Typical areas where the membrane may be used are, coalfields, contaminated industrial sites, landfill & brown field sites.

| Technical Data | |
|----------------|---------------------|
| Thickness | 300mu |
| Width (m) | 4 metres - 0 + 2.5% |
| Length (m) | 25 metres - 0 + 10% |
| Roll Weight | 27.6kg |
| Colour | Green |

SOLCO**SOLSHIELD Reinforced Gas Barrier**

- BBA Cert 16/5382, NHBC Compliant & CE Marked
- Complies with relevant codes of practice as published by BRE, CIRIA & BSI (BS8485:2015)
- Suitable for use as gas protection for NHBC Green & Amber 1 situations.
- A multi-layer reinforced polyethylene membrane
- High resistance to puncture.
- Also acts as a damp proof membrane

SOLSHIELD Reinforced Gas Barrier is a multi layer low density reinforced polyethylene membrane, reinforced with a polypropylene reinforcing grid. **SOLSHIELD Reinforced Gas Barrier** is designed to be suitable for use in areas where Carbon Dioxide, Radon, low levels of methane and an air / moisture protection system.

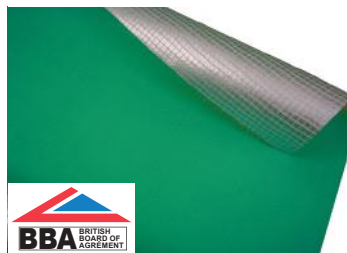
SOLSHIELD Reinforced Barrier can be used on any site where carbon dioxide, radon, hydrocarbon or VOC vapours are present up to and including CIRIA 665 Situation 6. The membrane is sufficiently resistant to the ingress of harmful gases into a building, although on more heavily contaminated sites a passive or active venting system may be required to dilute the gases down to acceptable levels

SOLSHIELD Reinforced Gas Barrier is extremely flexible for ease of installation and is robust enough to cope with site conditions. **SOLSHIELD Ultra Gas Barrier** will also protect against damp and therefore will act as a DPM and satisfy Approved Document C.

| Technical Data | |
|----------------|------------|
| Thickness | 0.5mm |
| Width (m) | 2.0 metres |
| Length (m) | 50 metres |
| Roll Weight | 27.5kg |
| Colour | Blue |



SOLSHIELD Ultra Gas Barrier



- Complies with latest codes of practice as published by BRE, CIRIA & BSI (BS8485:2015).
- BBA Cert 16/5382, NHBC Compliant & CE Marked
- Suitable to protect against the ingress of Radon (RN), Carbon Dioxide (Co₂), Methane (CH₄) and Hydrocarbon/VOC Vapours.
- A multi-layer reinforced polyethylene membrane with integral aluminium foil.
- Suitable for use as gas protection for NHBC Green, Amber 1, and Amber 2 site situations.
- High resistance to puncture.
- Also acts as a damp proof membrane

Solshield Ultra Gas Barrier is a multi layer low density polyethylene gas barrier and damp-proof membrane reinforced with a polypropylene grid with an integral aluminium foil, for use in concrete ground floors, above and below slab not subject to hydrostatic pressure, to protect the building against moisture, radon, methane & carbon dioxide from the ground.

Resistance to Hydrocarbon Vapours - when the membrane is separated from the ground e.g. above a block and beam floor.

Resistance to water & water vapour - the membrane provides an effective barrier to the passage of water & water vapours from the ground.

Resistance to puncture - the membrane has a strong resistance to puncture and on smooth surfaces will not be damaged by foot / site traffic

Durability - the membrane remains effective against the ingress of water and water vapour, will restrict the ingress of radon, methane and carbon dioxide during the lifetime of the flooring construction in which it is installed.

| Technical Data | |
|----------------|----------------|
| Thickness | 0.6mm |
| Width (m) | 2.0 metres |
| Length (m) | 50 metres |
| Roll Weight | 35kg |
| Colour | Silver / Green |



SOLSHIELD Flexible Hydrocarbon Gas Barrier



- Complies with relevant codes of practice such as current BRE and CIRIA
- Excellent resistance to chemical and hydrocarbon gases typically found in contaminated industrial sites.
- High quality robust flexible Tri-Polymer Membrane.
- Suitable for hot welding
- Very high puncture & tear resistance.

SOLSHIELD Flexible Hydrocarbon Gas Barrier is specially engineered tri-polymer construction that provides a highly effective barrier against Radon, Methane, Carbon Dioxide and Hydrocarbon gases. The Membrane is produced from a uniquely formulated blend of polymers to produce outstanding chemical resistance, mechanical properties, dimensional stability and thermal ageing characteristics. The membrane is ideally suited for sites formerly used as coalfield, landfill or industrial sites that previously contained volatile liquids such as petrol stations.

SOLSHIELD Flexible Hydrocarbon Gas Barrier is a very effective gas barrier for the protection of buildings and occupiers from the ingress of gas and moisture.

Solshield Flexible Hydrocarbon Gas Barrier is an advanced high performance flexible membrane suitable for both damp proofing and tanking applications. The membrane has a textured face on one side designed to aid adhesion to cast concrete. This can be used in applications such as: Tanking below ground structures, lift pits, Slab edges and permanent shutter work & reinforced concrete slabs.

| Technical Data | |
|----------------|-------|
| Thickness | 1.0mm |
| Width (m) | 1.3m |
| Length (m) | 20m |
| Roll Weight | 24kg |



GP® TITANBOND



GP TITAN BOND is a pre-applied waterproofing membrane comprised of GP TITAN and a specialist bonded geotextile to provide a bonding layer for poured concrete specifically for waterproofing applications (TYPE A BARRIER). GP TITAN BOND Hydrocarbon Barrier offers a safe solution for the protection of buildings and occupiers against all levels of hydrocarbons, methane, carbon dioxide and radon ingress. Typically these are sites previously used as petrol stations, coalfields landfill sites, contaminated industrial sites, Fracking sites, and heavily contaminated sites.

The membrane also acts as a damp-proof membrane. GP TITAN BOND is designed to withstand the most aggressive environments. Testing has been completed in accordance with BS8485:2015 and C748 to determine the permeation rates for Methane, Carbon Dioxide, and a range of VOC's. Immersion testing has also been completed to for Chemical Resistance to EN 14414 and EN 14415.

Features & Benefits:

- Complies with latest codes of practice by BRE & Ciria C748
- BS8102:2009 Compliant (Type A Waterproofing Barrier)
- Suitable for Ground Gas/Hydrocarbon protection to NHBC Green, Amber 1,2 & Red site.
- Suitable against most aggressive chemicals
- Manufactured using the latest extrusion technology
- Also acts as a high performance DPM



| Technical Data | Test Method | Value | Compliance & Certification |
|--------------------------|-------------|---------------------------------|------------------------------------------------------------------------------------------------|
| Total Thickness | EN 1849-2 | 2.0mm | CE Mark - EN 13967:2012 |
| Roll Width | EN 1849-2 | 1.9m | NHBC Standards Compliant |
| Roll Length | EN 1849-2 | 25m | BS 8485:2015 Compliant (Methane & Carbon Dioxide Barrier) & CIRIA C748 Compliant (VOC Barrier) |
| Roll Weight | EN 1849-2 | 650 g/m ² | |
| Water Vapour Trans. Rate | EN 1931 | 0.11-0.18 g/m ² /day | BS 8102:2009 Compliant (Type A Waterproofing Barrier) |



GP® TITANFLEX



GP TITANFLEX - Gas and hydrocarbon barrier is a multi-layer, polyethylene membrane.

GP TITANFLEX is specifically designed, manufactured, tested and certified to perform as a methane, carbon dioxide, radon, ground gas, VDC, air & moisture and hydrocarbon protection system.

GP TITANFLEX complies with the latest codes of practise as published by BRE, CIRIA (C748) and BSI (BS 8485:2015). Suitable for use as Ground Gas/ Hydrocarbon protection for NHBC, **GREEN**, **AMBER 1**, **AMBER 2** and **RED** site characterisations.



| Technical Data | Test Method | Value | Compliance & Certification |
|--------------------------|-------------|---------------------------------|----------------------------|
| Total Thickness | EN 1849-2 | 0.5mm | CE Mark - EN 13967:2012 |
| Roll Width | EN 1849-2 | 2m | NHBC Standards Compliant |
| Roll Length | EN 1849-2 | 50m | CIRIA C748 Compliant |
| Roll Weight | EN 1849-2 | 500 g/m ² | BS 8485:2015 Compliant |
| Water Vapour Trans. Rate | EN 1931 | 0.11-0.18 g/m ² /day | |

SOLCO



SOLSHEET Gas Resistant Self Adhesive Membrane

- Excellent resistance to chlorides, sulphates, alkalis & acids.
- Can also be used as a gas resistant DPM, resistant to Radon, Methane and CO2 gases
- Cross-laminated film – provides dimensional stability, high tear strength, puncture and impact resistance.
- Polymer modified bitumen coating - Resistant to UV
- Cold applied – no torching or hot bitumen on site.
- Flexible – will accommodate minor settlement & shrinkage.
- Meets the requirements of BS 8485:2015 & EN ISO 15105-1

SOLSHEET Gas Resistant Self Adhesive Membrane is a preformed waterproofing system with resistance to Methane, Radon and Carbon Dioxide. Resistance to gas is achieved by a laminate of aluminium and polythene films.

SOLSHEET Gas Resistant Self Adhesive Membrane can be used with Solcourse GR DPC and other Solshield Gas Membranes. Solsheet GR Meets the requirements of BS 8485:2015 and EN ISO 15105-1.

| Properties | |
|---------------------|-----------------------------|
| Thickness | 1.5mm |
| Width (m) | 1.0m |
| Length (m) | 20m |
| Roll Weight | 25kg |
| Colour | Black |
| Water Vapour Trans. | <0.1 g/m ² /day |
| Methane Gas Perm. | <2.9 ml/m ² /day |
| Radon Gas Perm. | < 50 Bq/m ³ |

SOLCO



SOLSEAL Liquid Gas Barrier

SOLSEAL LIQUID GAS BARRIER is a ready for use specialist styrene butadiene latex based liquid applied membrane. It offers a simple, continuous passive gas prevention barrier against the ingress of Methane, Carbon Dioxide, Radon, Ground Gas, VOC, air & Moisture into buildings. Provided the liquid gas barrier is not in direct contact with the source of contamination; then the liquid gas barrier is suitable for use as a Hydrocarbon/VOC Barrier. SOLSEAL LIQUID GAS BARRIER also acts as a waterproofing membrane complying with the requirement C2 and C4 schedule 1 of the Building Regulations 1991 for England and Wales

- Prevents ingress of Methane, Carbon Dioxide & Radon gasses
- Suitable for use as a DPM on floors and walls
- Meets the requirements of BS8485:2015
- Fast drying for rapid installation
- Single component (no primers)
- Can complement or replace sheet membranes

| Technical Data | |
|----------------|--------------------------------|
| Packaging | 15kg Tub |
| Coverage | 7.5m ² per 15kg Tub |

SOLCO



SOLSEAL PB-2K Liquid Membrane

SOLSEAL PB-2K is a fast-curing, two component, bitumen-extended polyurethane fluid. It produces a highly elastic membrane with strong adhesion to many types of surfaces and excellent mechanical and chemical resistance properties.

It is based on a pure elastomeric hydrophobic polyurethane resin extended with chemically polymerised virgin bitumen. Apply with brush, roller, spatula or airless spraying. Minimum consumption: 1.0-1.5 lt/m².

Compliance & Certification

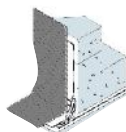
- CE: ETA-10/0095
- ASTM C836-95
- Root resistance - LGAI-06/10/2009

| Technical Data | |
|----------------|-----------------------------|
| Packaging | 2x5Ltr / 2x20Ltr / 2x200Ltr |
| Coverage | 1.0-1.5 lt/m ² |

**SOLCO****SOLSHIELD Gas System Accessories**

Solco Bitumen Emulsion Primer is a quick drying liquid applied, low viscosity bitumen solution used to prime and seal porous substrates and promotes the adhesion of bituminous waterproofing systems prior to application of Solsheet Membranes.

| Technical Data | |
|-----------------|------------------------|
| Packaging Sizes | 5, 10, 25 & 205 Litres |
| Approx Coverage | 10m ² /L |



Solco HD Bitumen Protection Board is a tough, reinforced flexible bitumen modified board for the protection of adhesive waterproofing membrane and other types of waterproofing membranes against damage by backfill materials / poured concrete

| Technical Data | |
|----------------|-------------|
| Sheet Size | 1.0m x 2.0m |
| Thickness | 3mm / 6mm |



Solco XL Jointing / Reinforcing Tape is a self adhesive tape is used as reinforcing / over-banding tape for securing waterproofing and gas protection membranes at overlaps edge and corner details.

| Technical Data | |
|----------------|-------------------|
| Roll Width(s) | 100 / 150 / 300mm |
| Roll Length | 20m |



Solco Butyl Tape is a black double sided synthetic rubber based high performance butyl mastic tape. It can be used for bonding waterproofing and gas protection membranes at overlaps and for bonding membranes to DPCs, and fixing of other accessories such as top hats

| Technical Data | |
|----------------|------------|
| Roll Width | 50 / 100mm |
| Roll Length | 10m / 20m |



Solco Foil Jointing Tape is a single sided tape for securing laps & joints. It can be used for bonding waterproofing and gas protection membranes at overlaps and for bonding membranes to DPC's. Complies with BS8485.

| Technical Data | |
|----------------|------|
| Roll Width | 75mm |
| Roll Length | 50m |



Solco Radon Sumps are used in full protection areas, where sub floor depressurisation may be required.

| Technical Data | |
|-------------------|--|
| 430 x 430 x 220mm | |



SOLCOURSE GR DPC, Gas Resistant Tri-polymer DPC is a specially engineered tri-polymer material that provides a highly effective barrier against Radon, Carbon Dioxide, Methane, Hydrocarbon gases and Water Vapours. Complies to BS 8485: 2015 and CE Marked

| Roll Widths | Length |
|----------------|--------|
| 100mm - 1200mm | 20m |



Solco Top Hat Units are used for sealing around penetrations through gas membranes. Available in both flexible and rigid types.

| Technical Data | |
|---------------------------------|--|
| A range of various sizes avail. | |

Solco Protection Fleece is intended to be used as a protection and/or separation layer against mechanical or chemical damage, and is used between the waterproofing membrane and overlying components

| Technical Data | |
|----------------|------------|
| Roll Sizes | 5.5m x 80m |



SOLSHIELD Geocomposite Drainage & Venting Mat



- Easy application for both drainage and venting solutions
- Cost effective alternative to traditional methods
- Provides protection to tanking / gas membranes
- Prevents tracking of water between membrane
- Resistance to Hydrostatic head of water of 46m.
- Can be installed in damp conditions
- Can be applied immediately shutters are struck to wet surface/green concrete

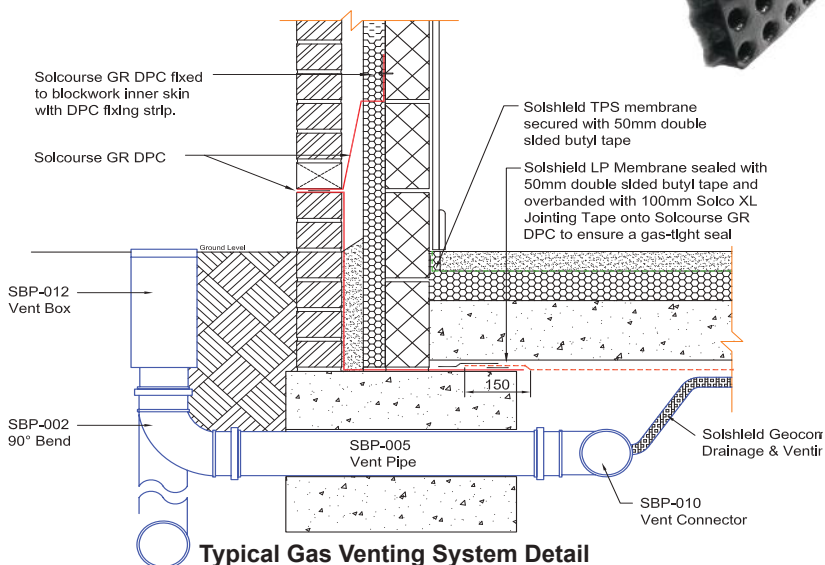
SOLSHIELD Geocomposite drainage and venting mat is a cavity drain former manufactured from a dimpled H.D.P.E. core bonded to a nonwoven polypropylene geotextile filter membrane designed to provide a drainage / venting channel in floor and wall construction.

Geocomposite drainage and venting mat may be used in floors and walls to provide a drainage / venting void beneath the concrete to relieve both water and gas pressures, suitable to provide grade 4 protection as defined in BS 8102: 1990. "Protection of structures against water from the ground".

The HDPE core provides high strength to resist the loads imposed by placing wet concrete. Geocomposite drainage and venting mat is designed to be placed with the geotextile filter layer facing the direction of water seepage or backfill.

Geocomposite drainage and venting mat can be applied against waterproofing membranes or directly against the masonry/concrete substrate .

| Technical Data | |
|----------------|-------|
| Roll Width | 0.90m |
| Roll Length | 50m |
| Thickness | 25mm |
| Roll Weight | 74kg |

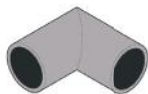
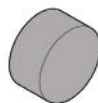
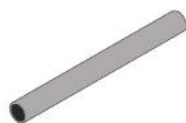
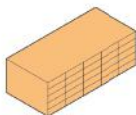
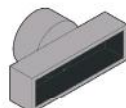
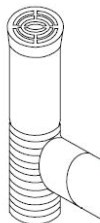
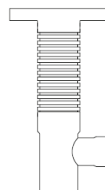


Typical Gas Venting System Detail



Gas Venting Dispersal Components

(All pipes are available in twin wall)

**SBP-001 'T' Fitting**
110mm & 150mm Ø,**SBP-002 90° Bend**
110mm & 150mm Ø,**SBP-003 Coupler**
110mm & 150mm Ø,**SBP-004 End Cap**
110mm & 150mm Ø,**SBP-005 Solid pipe**
10mm Ø, for use with
SBP-011**SBP-006 Slotted Pipe**
110mm Ø, x 1200mm**SBP-007 Carrier Pipe**
110mm Ø x 6m**SBP-008 Vent pipe**
50mm Ø**SBP-009 Vent outlet**
for use with SBP-015/17**SBP-010
Slotted 'T' Connector**
110mm Ø**SBP-011 Vent Outlet**
110mm Ø**SBP-012 Vent Box**
Standard Gully & Half
Gully sizes available**SBP-013 Bollard Vent**
110mm Ø**SBP-014 Air Brick**
65mm x 215mm
Various Colours**SBP-015
Periscope Vent****SBP-016 Vent Adapter**
110mm Ø for use with
periscope or ext sleeve**SBP-017
Extension Sleeve**
550mm for use with
periscope vent SBP-015**SBP-018 Flexible Pipe**
110mm Ø, x 1500mm**SBP-019
Round
Gully Vent****SBP-020
Rectangular
Gully Vent**



| | |
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Bluebay's range of spacers made of fibre reinforced concrete insure that the concrete cover specified for structures and structural elements made of reinforced concrete is adhered to, both before and during concreting. Our fibre reinforced concrete products provide high compressive strength, water impermeability and fire resistance as well as application stability guaranteeing the durability of the concrete surface.

Single Cover Concrete Spacer



| Cover (mm) | Bag Quantity |
|--------------|--------------|
| 20 | 1000 |
| 25 | 500 |
| 30 / 35 / 40 | 250 |
| 50 | 200 |
| 60 | 100 |
| 75 | 50 |

Double Cover Concrete Spacer



| Cover (mm) | Bag Quantity |
|------------|--------------|
| 25/30 | 500 |
| 35/55 | 250 |
| 40/50 | 200 |
| 60/75 | 50 |
| 65/70 | 50 |

Triple Cover Concrete Spacer



| Cover (mm) | Bag Quantity |
|------------|--------------|
| 20/25/30 | 500 |
| 35/40/50 | 200 |

Square Bar Spacer



Heavy duty bars for the placement of heavy duty horizontal mesh & reinforcement

| Cover (mm) | Pallet Quantity |
|-------------------------|-----------------|
| 25 x 25 | 800 |
| 30 x 30 | 600 |
| 35 x 35 | 400 |
| 40 x 40 | 300 |
| 50 x 50 | 250 |
| 60 x 60 | 160 |
| 75 x 75 | 100 |
| Available in 1m lengths | |

Waffle Concrete Spacer



Reversible for a wider choice of bar spacings

| Cover (mm) | Bag Quantity |
|------------|--------------|
| 100/25 | 100 |
| 125/25 | 100 |
| 125/30 | 100 |

Mesh Block Spacer



| Cover (mm) | Bag Quantity |
|------------|--------------|
| 40/50 | 100 |

Note:
Other sizes & special shapes are available throughout the spacer range



Bluebay Wire Spacers

Hy-chairs and circular spacers are available in sizes of up to 400mm upon request.

Triangular High Chair



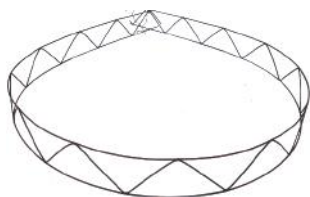
| Size | Pack Size (LM) |
|------------|----------------|
| 50mm x 2m | 50 |
| 60mm x 2m | 50 |
| 75mm x 2m | 50 |
| 90mm x 2m | 50 |
| 105mm x 2m | 50 |
| 120mm x 2m | 50 |
| 135mm x 2m | 50 |
| 150mm x 2m | 50 |
| 170mm x 2m | 50 |
| 180mm x 2m | 50 |
| 200mm x 2m | 50 |
| 250mm x 2m | 50 |

Flat Top High Chair



| Size | Pack Size (LM) |
|------------|----------------|
| 50mm x 2m | 50 |
| 60mm x 2m | 50 |
| 75mm x 2m | 50 |
| 90mm x 2m | 50 |
| 105mm x 2m | 50 |
| 120mm x 2m | 50 |
| 135mm x 2m | 50 |
| 150mm x 2m | 50 |
| 170mm x 2m | 50 |
| 180mm x 2m | 50 |
| 200mm x 2m | 50 |
| 250mm x 2m | 50 |

Circular Spacers



Suitable for economical placement of reinforcement mesh in floor slabs. A 3.0 metre strip which is formed to a circle on site. 3 or 4 strips are required per sheet of mesh.

Cover (mm)

Pack Quantity

| | |
|------------|----|
| 50mm x 3m | 25 |
| 60mm x 3m | 25 |
| 75mm x 3m | 25 |
| 90mm x 3m | 25 |
| 105mm x 3m | 25 |
| 120mm x 3m | 25 |
| 135mm x 3m | 25 |
| 150mm x 3m | 25 |
| 170mm x 3m | 25 |

Zig Zag Spacers



Cover (mm)

Length

20mm - 360mm
Available in 10mm
increments

2m

Suitable for economical placement of reinforcement mesh in floor slabs. Supplied in 2 metre strips.



Tying Wire, Dowel Bar Cradles & Tools

Tying Wire - Black Annealed



A 16 gauge soft black annealed tying wire supplied in coils for steel fixing.

Tying Wire Tools



An alternative to tying wire wrap the tie around the reinforcement bar with the tying tool



| Description | Lengths |
|---------------------|-----------------------------|
| Double Loop Ties | 100/120/150/200/250 & 300mm |
| Ratchet Tying Tool | Each |
| Cutting/Tying Snips | Each |

Tying Wire - Stainless Steel



An 18 gauge stainless steel tying wire supplied in catchweight coils.

| Size | Pack Size |
|------|-----------|
| 2kg | Coil |
| 15kg | Coil |
| 20kg | Coil |

BindFix - Spring Clip Fixing Ties



An alternative to tying wire easy to use, bind clip ties require no cut-offs or tools.

| Type | to Bind Bars Sizes | Pack Size |
|--------|--------------------|-----------|
| BF8/8 | 5/8 & 6/8 | 500 |
| BF8/10 | 6/8 & 8/10 | 500 |
| BF8/12 | 6/10 & 10/12 | 500 |
| BF8/14 | 6/8 & 12/14 | 500 |
| BF8/16 | 6/10 & 14/16 | 400 |
| BF8/20 | 6/10 & 18/20 | 400 |



Automatic Rebar Tying Machine



These battery operated tying tools are used for tying rebar and fabric, operating at up to 5 times faster than hand tying, making ties in approx. 1 second with consistent tie strength.

High speed tying saves you time and money and simple operation reduces potential wrist damage such as carpal tunnel injuries. Wire usage is regulated automatically, producing 3 wraps for each tie.

Three tools are available for overall tie diameters 9mm to 21mm, 20mm to 39mm and a heavy duty model for tying rebar up to 32mm + 40mm





Reelfix Tying Wire System



Reelfix Rapid is a tying wire dispensing reel system used by Steel Fixers when tying reinforcement in concrete structures.

The system comprises of a dispensing reel which houses a 2kg spool of tying wire. The reel is attached to a heavy duty leather belt and comfort pad and is worn around the users' waist.

| Reelfix System Components |
|---------------------------------------------------|
| 2kg (140M 17gauge) Black Annealed Refill Spool |
| 2kg (220M 18gauge) Stainless 304 Refill Spool |
| Refillable Tying Wire Dispensing Reel |
| Reelfix Branded Heavy Duty Leather Belt |
| PVC Comfort Pad |
| Reelfix Branded Stainless Tape/Nip Frog |
| 2kg (120M 16gauge) Black Annealed Disposable Reel |
| 2kg (220M 18gauge) Stainless 304 Disposable Reel |

Reelfix works by allowing the user to draw tying wire from the reel as required. Any excess wire drawn while tying can easily be rewound into the reel where it remains clean, dry and ready until required again.



Steelfix Tying Wire System

Steelfix is a refillable tying wire delivery system used by steel fixers when tying reinforcement in concrete structures. The system is worn on a belt and comprises of a dispensing reel which house a 2kg spool of tying wire.

The wire is drawn through one of two openings on the side designed to accommodate right or left handed operatives. Any excess wire drawn while tying can easily be rewound into the reel where it remains clean, dry and ready until required again.

Key Benefits of using Steelfix on your site:-

| H&S Problems Using Loose Tying Wire | H&S Solutions Using The Steelfix System |
|---------------------------------------|-----------------------------------------------|
| Trip Hazard | Draw Wire As Required - No Wastage |
| Infections & Contaminated Wire | Remains Clean & Dry On The Reel |
| Scratches, Cuts & Eye Injuries | No Flying Ends Of Wire |
| Back Pain From Picking Up Heavy Coils | No Bending Down To Pick Up Heavy Wire Bundles |
| 70% Wastage | Only Tiny Cut Offs Are left |

| Product |
|-----------------------------------------|
| Steelfix Plastic Reeler |
| Steelfix Aluminium Reeler |
| Steelfix 2kg Black Annealed Tying Wire |
| Steelfix 2kg Stainless Steel Tying Wire |
| Steelfix Heavy Duty Belt |
| Steel Fixing Wire Nippers |



Zig Zag Spacer



The Zig Zag spacer is for the reinforcement of reinforced concrete components. When used correctly, the Zig Zag spacer ensures a safe distance between the reinforcement & formwork and safeguards the specified concrete cover. The offset triangular shape of the Zig Zag spacer cross section guarantees the positional stability during the laying of the reinforcement, the closing of the formwork and concreting.

| Concrete Cover (mm) | Pack Quantity (m) |
|---------------------|-------------------|
| 15 / 20 / 25 / 30 | 100 |
| 35 / 40 / 50 | 60 |
| 55 / 60 / 65 | 40 |

Grade Plate Spacer



A lightweight option for the spacing of fabric at the bottom of slabs. Their wide base gives extra stability particularly on soft blinding.

| Concrete Cover (mm) | Pack Quantity |
|---------------------|---------------|
| 25/30 & 40/50 | 250 |
| 65/75 | 200 |
| 90/100 | 100 |

Continuous Plastic Spacer (Tric Trac)



Use for bottom spacing of fabric or bar with light loads against formwork and particularly metal decking. Available in 2 metre lengths.

| Concrete Cover (mm) | Pack Quantity |
|---------------------|---------------|
| 15 / 20 / 25 / 30 | 100 |
| 35 / 40 / 50 | 60 |
| 60 / 70 | 40 |

Wheel Spacer



For spacing vertical reinforcement in columns etc. The wheels clip onto the reinforcement bar and minimise the area of spacer at the form face.

| Concrete Cover (mm) | Bar Dia | Quantity |
|-----------------------------|-----------|----------|
| 15 | 4 - 12mm | 1000 |
| 20 / 25 / 30 / 40 / 50 | 8 - 12mm | 500 |
| 25 / 30 / 40 / 50 / 60 / 75 | 12 - 20mm | 250 |

Plastic 'A' Clip Spacer



Self clipping bar and mesh spacer, suitable for horizontal or vertical bars. Heavy duty for substantial bar loads.

| Cover (mm) | Bar Dia | Quantity |
|--------------|----------|----------|
| 15 | 6 - 16mm | 1000 |
| 20 / 25 / 30 | 8 - 25mm | 500 |
| 40 / 50 | 8 - 25mm | 250 |



Plastic Spacers & Accessories

Pile Cage Spacer



Designed for pile cages and diaphragm walls. Easily clipped onto helical bars in pile cages.

| Cover (mm) | Bar Dia | Quantity |
|------------|-----------|----------|
| 45 | 8 - 12mm | 250 |
| 50 / 75 | 8 - 12mm | 250 |
| 75 | 16 - 20mm | 100 |

HD Plastic Shims



HD plastic shims are used for the alignment and levelling of heavy section steel plate and pre-cast concrete sections. Available as plain or horseshoe type.

| Size | Thickness |
|-------------|----------------------|
| 70mm x 70mm | 2 / 3mm (250/pk) |
| 70mm x 70mm | 5 / 7 / 9mm (125/pk) |

Safety End Cap



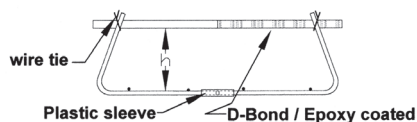
Plastic protection caps for exposed reinforcing bar.

| Bar Dia |
|-----------|
| 6 - 18mm |
| 16 - 32mm |
| 40 - 50mm |



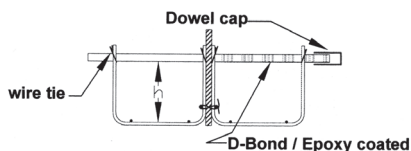
Slab Accessories

Contraction Joint Cradle



| Slab Depth | Dim to u/s Dowel |
|-------------|------------------|
| 150 - 180mm | 75mm |
| 190 - 230mm | 95mm |
| 240 - 300mm | 125mm |

Expansion Joint Cradle



| Slab Depth | Dim to u/s Dowel |
|-------------|------------------|
| 150 - 180mm | 65mm |
| 190 - 230mm | 90mm |
| 240 - 300mm | 115mm |

Mild / Stainless Steel Dowel Bars



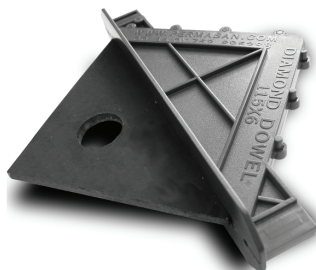
| Diameter (mm) | Length (mm) |
|---------------|-----------------|
| 12 | 400 / 600 / 900 |
| 16 | 400 / 600 / 900 |
| 20 | 400 / 600 / 900 |
| 25 | 500 / 600 |
| 25 | 600 |

Dowel bars are used in contraction and expansion joints. Available as sawn & cut ends. Other sizes are available on request.

Epoxy / Polymeric Coated Dowels



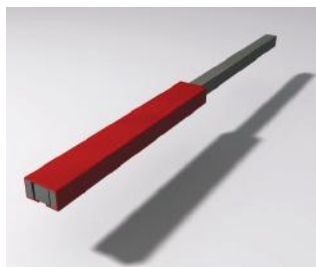
Dowel bars can be supplied with either a partial or full coating to your specific requirements. All coatings comply with DOT specification.



Diamond Dowels

Diamond Dowels are popular because they are quick and easy to install, and economical too. Designed for use with slabs on the ground, there's no need to drill holes in the timber formwork. Simply fix the dowel sleeve to the formwork on the first side, pour the concrete, remove the formwork, and insert the dowel plates into the sleeves before pouring the second side.

| Dowel Sizes | |
|-------------|----------------------|
| DD6 | 161mm x 161mm x 6mm |
| DD10 | 161mm x 161mm x 10mm |



Square Bar Dowels

Square dowel bars offer significant benefits over round dowels, with better resistance to bending and shear. The foam inserts in the dowel sleeve allow horizontal movement in two directions as the concrete contracts, but no vertical movement. The dowel sleeve also helps to reduce the risks and implications of misaligned dowels.

| Dowel Sizes | |
|----------------------------------|--------------|
| Square Bar | 600mm x 20mm |
| Square Bar Dowel Sleeve required | |



Slab Accessories

| Dowel Bar End Caps | Diameter x Length (mm) | Pack Size |
|------------------------------------------------------------------------------------------|------------------------|-----------|
| | 12 x 100 | 100 |
| | 16 x 100 | 100 |
| | 20 x 100 | 100 |
| | 25 x 100 | 100 |
| | 32 x 100 | 100 |
| Rigid PVC tube with a compressable plug which allows for the expansion of the dowel bar. | | |

| Dowel Bar Sleeves | Diameter x Length (mm) | Pack Size |
|------------------------------------------------------|------------------------|-----------|
| | 12 x 450 | 100 |
| | 16 x 300 | 100 |
| | 16 x 450 | 100 |
| | 20 x 300 | 100 |
| | 25 x 300 | 100 |
| | 32 x 375 | 100 |
| PVC sleeve acts as a method of de-bonding steel bars | | |

| Sol-Debond Dowel Bar Paint 5 & 25 Ltr |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| |
| Sol-debond is a bituminous solution designed to provide a thick film on dowel bars, which will allow dowel bars to completely the break bond with the concrete |
| Sol-debond meets the performance requirements of: Clause 2605 of the D.O.E. Specification for Roads and Bridge Works 1969 Clause 109. |



Slab Accessories



Bottom 'Y' Crack Inducer

A base crack inducer used to induce a crack from the base vertically. Used in conjunction with either crack inducers or saw cutting.

| Size |
|-----------|
| 40mm x 5m |
| 75mm x 5m |



2 Part Crack Inducer

Two Parts used in external concrete slab areas where the joint has to be sealed. The top part is removed after the concrete has set to assist sealing.

| Size |
|------------------|
| 10mm x 50mm x 5m |
| 10mm x 75mm x 5m |



Aluminium 'T' Bar

Aluminium T-Bar is used as a tool to form a straight void for inserting top crack inducers.

| Size |
|-----------|
| 50mm x 5m |
| 75mm x 5m |



Plastic Screed Chair

A light duty screed chair fully adjustable which can be left in the concrete. Easily adjustable for use with a 50mm diameter pole. Minimum slab depth 100mm.

| Section | PackQuantity |
|----------------|--------------|
| Base | 250 |
| Collar | 250 |
| Saddles | 250 |
| 22mm ID Tubing | 2m Strip |



Metal Screed Chair

Adjustable heavy duty screed chair for concrete floor slabs up to 400mm thick.

| Chair Type | Slab Thickness |
|------------|----------------|
| 1 | 120 - 150mm |
| 2 | 150 - 200mm |
| 3 | 200 - 300mm |
| 4 | 300 - 400mm |



Heavy Duty Screed Chair

Extra heavy duty metal screed chairs are constructed of robust material, therefore being a very stable support unit. Use for slab thickness from 50mm up to 500mm.



Side Slab Strip

Non porous chemically resistant strip for use in longitudinal joints in concrete.

| Size |
|-------------------|
| 40mm x 5mm x 10m |
| Supplied in rolls |



Slab Accessories

Waxed Cardboard Bolt Boxes

A waxed cardboard cone which can be cut away when no longer required.



| Length |
|--------|
| 229mm |
| 305mm |
| 380mm |
| 457mm |
| 534mm |
| 610mm |
| 762mm |

Polystyrene Bolt Boxes

An economical and easy method of ensuring bolt locations. Polystyrene cones can easily be dispersed when their application is complete.



| Length |
|--------|
| 225mm |
| 300mm |
| 375mm |
| 450mm |
| 525mm |
| 600mm |
| 762mm |

Expanded Metal Bolt Boxes

A cylinder manufactured in various lengths from expanded metal, to be left in the bolt pocket for use as a key to the concrete



| Length |
|-------------|
| 150 x 75mm |
| 225 x 75mm |
| 300 x 75mm |
| 375 x 75mm |
| 450 x 100mm |
| 600 x 100mm |

Bolt Box Dissolver



Sol-Dissolver is a specially formulated solvent developed to safely dissolve away and emulsify unwanted expanded polystyrene bolt boxes, void formers and inserts.

| Sizes |
|---------------|
| 5 & 25 Litres |

Denso Tape

For protection of bolt heads prior to concrete pours. Also available in a range of sizes up to 300mm wide



| Roll Size |
|------------|
| 75mm x 10m |

Holding Down Bolts

A full range of bolt sizes are available. Supplied in mild or high tensile steel. Special Sizes can be made to order



| Diam. / Length (mm) |
|-----------------------|
| M16 x 300 / 375 |
| M20 x 300 / 375 |
| M20 x 450 / 600 |
| M24 x 375 / 450 / 600 |
| M30 x 450 / 600 |
| 100 sq x 10mm washer |



Reinforcement & Formwork Accessories

SOLCO

Solfix Resin Grout System



Solfix Vinylester SF Resin Grout

Solfix Vinylester is a low odour high performance rapid curing two part chemical anchoring system based on a high reactivity Vinylester. It is designed to anchor threaded rods and rebar in concrete and also has the advantage of European Approval for use in cracked and non-cracked concrete, as well as coverage for rebar under TR029.

Packaging

410ml Co-axial Cartridge



Solfix Polyester SF Resin Grout

Solfix Polyester Styrene Free is a low odour high performance rapid curing two part chemical anchoring system. It is designed to anchor threaded rods and rebar in concrete and also has the advantage of European Approval for use in Masonry blocks according to the ETAG 029.

Packaging

410ml Co-axial Cartridge



Solfix 500 Pure Epoxy Resin Grout

Solfix 500 is a two-part chemical anchoring resin designed to anchor threaded rods and rebar in concrete and also has the advantage of two European Technical Approvals for post-installed rebar and cracked and non-cracked concrete plus BS6920 Testing for use in potable water, and fire approval.

Packaging

400ml Co-axial Cartridge



Solfix Polyester SF Pourable Grout

Solfix Pourable Resin is a two part concrete repair resin & anchoring system, with extremely high strength in compression and tension making it ideally suitable for anchoring large bolts, starter bars, machinery installations & ground repair. Once mixed the formula can be poured into the pre-drilled hole, or the repair area, and has 'self levelling' properties which make it ideal for shuttering.

Packaging

5Kg Tub

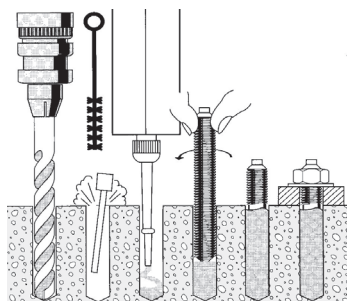
Solfix Resin Capsules



Solfix Resin Glass Capsules are designed specifically for applications in solid concrete and are available in the two variations, "Spin-In" or "Hammer-In". The resultant fixing is a bonded anchor consisting of a the glass capsule and a threaded anchor rod with hexagon nut and washer of sizes M8, M10, M12, M16, M20 and M24 (for ETA Approval).

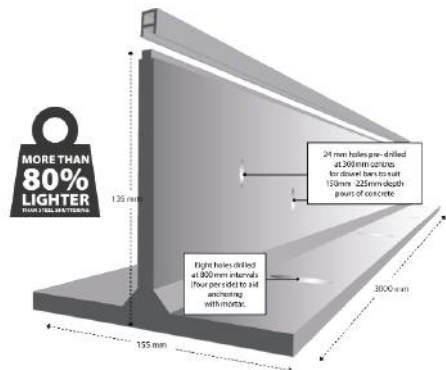
| Thread Diam | Hole Diam | Pack Qty |
|-------------|-----------|----------|
| 8mm | 10mm | 10 |
| 10mm | 12mm | 10 |
| 12mm | 14mm | 10 |
| 16mm | 18mm | 10 |
| 20mm | 25mm | 6 |
| 24mm | 28mm | 6 |

Solfix Resin Accessories





UPVC Screed Rail



K-FORM UPVC Screed Railing provides the construction industry with an economical, efficient and environmentally friendly alternative to steel shuttering.

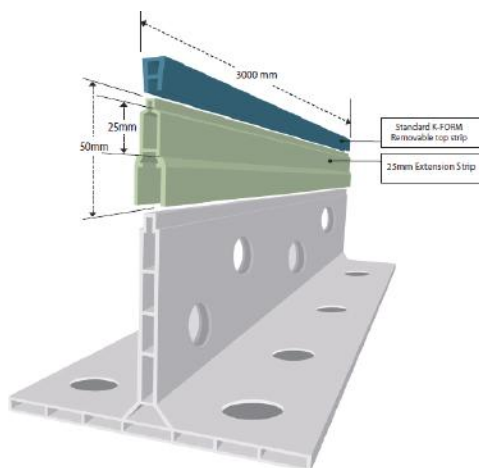
Made from recycled materials, K-FORM is lightweight, durable and does not require removal after concrete pouring. It is easily cut to length on site and has pre-drilled holes in the vertical face for locating steel dowel bars and in the base for mortar anchoring. Furthermore, K-FORM's patented design features a built in expansion joint, end clips for joining and a removable top strip for joint sealing.

Specifications

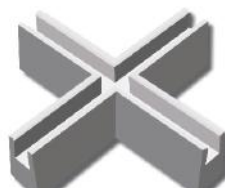
- Designed for pours of 150mm-225mm thick concrete.
- Enables adjoining bays to be poured consecutively.
- Pre-drilled holes in base for anchoring with mortar.
- Pre-drilled holes in vertical face for locating dowel bars.
- The UPVC profile has a built in expansion joint.
- Once concrete is poured, K-FORM is left in place;
- no need to remove and clean.
- Separate wear strip can be removed once concrete is set to allow joint sealing.



With a built in expansion joint, click together design and removable top strip, K-FORM's patented design gives the best possible performance with quality results, finishing your project to complete satisfaction.



| Technical Data | |
|----------------------|-----------------------------------------------------|
| Product | Size |
| K35 | 35mm x 155mm x 3000mm |
| K85 | 85mm x 155mm x 3000mm |
| K135 | 135mm x 155mm x 3000mm |
| 25mm Extension Strip | 3000mm Lengths |
| Top Strip Angle | Available as 90° bends, 'T' Junctions and Crossings |





Permasteel Screed Rails



Permasteel is a flexible "Leave in Place" formwork system for concrete floors and is much easier and quicker to use than traditional concrete screed rail methods. Permasteel is available in 4 different heights for slab depths ranging from 50mm to 300mm.

Type 1 rails are available in 115mm high for slab depths from 120mm to 160mm and 155mm high for slab depths from 165mm to 200mm plus. Each 3m long rail is supplied with 3 No. footplates for setting the rail into place.

Type 2 rails are available in 40mm high for slab depths from 50mm to 75mm and 70mm high for slab depths from 80mm to 115mm and require no other components for installation..

Permasteel Components

Type 1 Permasteel components include a pre-welded footplate used when setting the rail on concrete dabs and the Pingrip fixing used with pins driven into the sub-base as an alternative installation method for Permasteel 115mm and Permasteel 155mm rails when setting on concrete dabs is impractical. The Pingrip can also be used for installation of 40mm and 70mm Permasteel rails for metal deck or screeds etc.

| Technical Data | | | | | | | | | | |
|----------------|--------|------|------|-------|------|----|------|------|------|-------|
| Type | A | A1 | A2 | B | B1 | B2 | C | C1 | D | H |
| Psteel 155 | 37.5mm | 64mm | 91mm | 100mm | 50mm | - | 24mm | - | - | 135mm |
| Psteel 115 | 50mm | - | - | 100mm | 50mm | - | 24mm | - | - | 95mm |
| Psteel 70 | 31mm | - | - | 150mm | 75mm | - | 24mm | 16mm | 25mm | 70mm |
| Psteel 40 | 22mm | - | - | 150mm | 75mm | - | 24mm | 16mm | 25mm | 40mm |

CombiForm Screed Rails

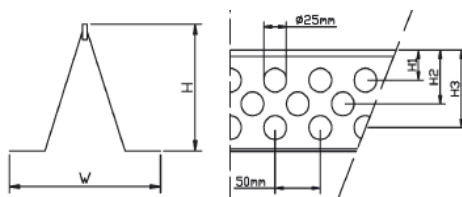


The CombiForm screed rail is made of metal with a plastic strip on the top. Easy to use, and light weight makes handling far more manageable than the traditional concrete rails. CombiForm's design boasts superior strength allowing it to be used with all types of vibration methods to produce super-flat floors.

CombiForm is easy to adjust to the correct level using the adjusting screws directly on the ground or by using a ground plate fixed under the screws in softer surface situations.

| Technical Data & Dimensions (mm) | | | | | | |
|----------------------------------|-----|-----|----|----|-----|--------|
| Type | H | W | H1 | H2 | H3 | Weight |
| C25 | 25 | 80 | | | | 1.8Kg |
| C45 | 45 | 90 | 30 | | | 2.0Kg |
| C65 | 65 | 105 | 28 | 47 | | 2.3Kg |
| C85 | 85 | 115 | 31 | 49 | 67 | 2.8Kg |
| C105 | 105 | 130 | 32 | 53 | 88 | 3.5Kg |
| C125 | 125 | 135 | 32 | 64 | 109 | 4.2Kg |
| C145 | 145 | 160 | 32 | 75 | 127 | 5.0Kg |

CombiForm is delivered in lengths of 2.2 metres, 10 rails/bundle.



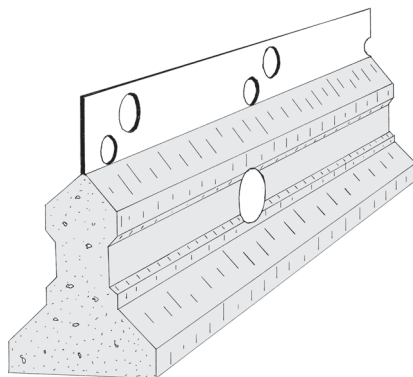
Concrete Sreed Rail TYPE C is a combination of concrete and galvanised steel. The use of screed rails makes it easier to achieve a superflat surface, since the permanent rails provide a more stable base from which to screed.

SUPERFLAT and, in general Category 1 floors should be constructed in the long strip method, as recommended in TR34. This rail has been used succesfully throughout Europe on numerous projects.

The unique design of type C with its 1.5 mm top profile of galvanised steel provides a very straight and fully controlled hairline crack.

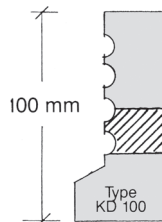
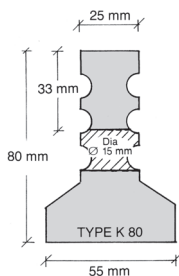
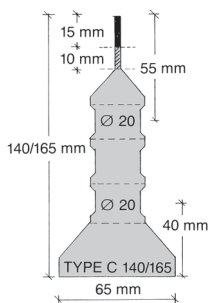
The profile of this rail along with the holes in the metal strip tie the rail firmly to the slab.

Test shows the strongest possible joint between the bays.



Applications

- Compressive strength 50 N/mM².
- Max. vibrator/bay width when using C-65 is 8 metre.
- Max. vibrator/bay width when using C-90 + C-115 is 10 metre.
- Max. vibrator/bay width when using C-140 + C-165 is 5 metre.



| Type C | |
|--------|--------|
| Height | Length |
| 65mm | 3.9m |
| 90mm | 3.9m |
| 115mm | 3.9m |
| 140mm | 3.9m |
| 165mm | 3.9m |

| Type K | |
|--------|--------|
| Height | Length |
| 60mm | 3.9m |
| 80mm | 3.9m |
| 100mm | 3.9m |
| 125mm | 3.9m |
| 150mm | 3.9m |

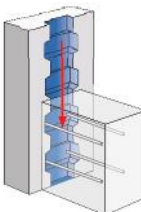
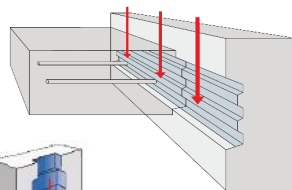
| Type KH | |
|---------|--------|
| Height | Length |
| 100mm | 3.9m |



recostal® Starter Packs, key profiled

Recostal starter Packs consist of pre-bent reinforcement housed in a uniquely trapezoidal profiled corrosion resistant casing. The starter pack is then cast into the front face of the wall. After the formwork is struck, the backing is removed to reveal the starter bars inside. These legs are then bent out by the contractor and lapped onto the main reinforcement of the next pour.

The casing remains embedded in the wall, providing a trapezoidal profiled rebate into which the concrete is poured. This eliminates the need for traditional preparation at the joint.



Key Benefits

- Recostal Starter Packs meet the requirements of DIN EN 1992-1-1 for the highest surface category "key profiled" in the case of transverse loads.
- Strong, robust galvanised sheet metal starter packs, dimensionally stable
- Cost and time effective installation, starter packs are simply nailed to the formwork
- Easy removal of the sheet metal covers due to their special design
- Trapezoidally profiled box for excellent bond

RSH Starter Packs

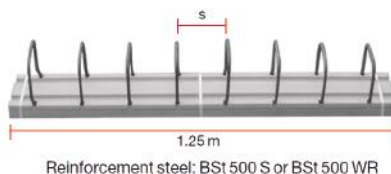
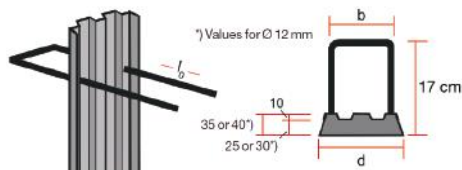
RSH Starter Packs consists of a trapezoidally profiled box made from galvanized steel sheet. In the case of shear force loads acting in a transverse direction to the starter pack, the surface of the joint meets the demands of Eurocode 2 for the highest category key profiled.

Type RSH can be used in wall to wall and wall to slab connections. Especially when placed horizontally, this type of continuity strip gives engineers the opportunity of calculating the shear forces. The casing is protected against corrosion.



Technical Data

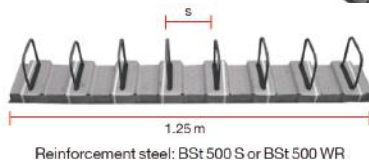
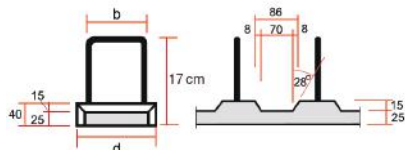
- Trapezoidally profiled starter packs, joint category "key profiled" according to DIN EN 1992-1-1, highest shear force bearing capacity
- Concrete reinforcement steel BSt 500 S or BSt 500 WR according to DIN 488,
- $\varnothing = 8 \text{ mm} - 14 \text{ mm}$ (16 mm)
- Diameter of bending rolls $d_{br} \geq 6 D_s$ in the section of rebending
- 8 standard profiles, bar widths 10 cm – 22 cm, smaller or larger bar widths on request
- Standard unit length $L = 1.25 \text{ m}$, fixed lengths up to 2.50 m on request
- Various possible combinations provide a solution for all common installation details



RSV Starter Packs

RSV starter Packs are specifically designed for vertical joints with high shear forces. It is the first starter pack which is shear key profiled on all three sides of the casing. The type RSV provides high shear force load capacities.

Type RSV can be used in wall to wall and wall to slab connections. Especially when placed vertically, this type of continuity strip gives engineers the opportunity of calculating the shear forces. The casing is protected against corrosion.



Reinforcement steel: BS500 S or BS500 WR

VHQ Starter Packs

VHQ Starter Packs consists of a notched, galvanized sheet steel box. It's clever use of single bars makes it ideal for multiple applications and all construction widths.

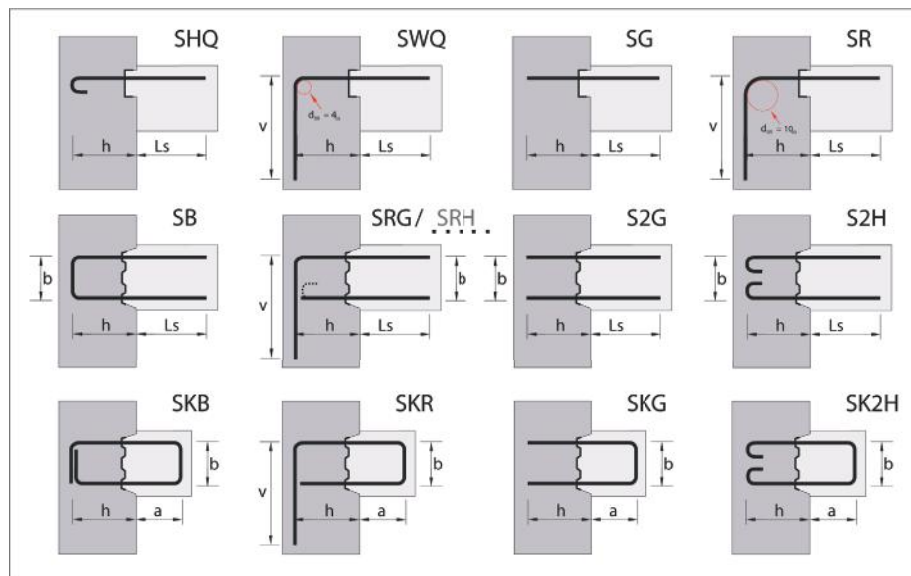


| Dimensions | |
|-------------------------|-------------------------------------|
| Box height: | 25-40mm depending upon profile size |
| Unit lengths: | 1.25m |
| Reinforcing Steel (Dia) | 8mm - 16mm |

There are a wide range of profile sizes and shapes to suite all construction requirements please see the Technical Data Sheet for further information.



recostal® Starter Packs, Special Types



Standard unit length: 1250 mm

Centres of bars: Typ RSH: 100, 150, 200, 250, 300 mm
Typ RSV: 150 mm



Lockable Dowels

The 'Lockable Dowel' from Ancon allows initial shrinkage of the concrete to take place and is then locked in position with epoxy resin, inserted from the top of the slab. The locked dowel continues to transfer vertical load, but movement can no longer take place.

It comprises a Duplex stainless steel dowel component, a box-section sleeve with an L-shaped attachment, a locking plate and two-part epoxy resin.

SLAB-TO-SLAB LOCKABLE DOWELS

ESDQ-L20

HLDDQ-L30 (high load capacity)

SLAB-TO-WALL LOCKABLE DOWEL

ESDQ-L20W



MBT Couplers

The MBT range of couplers provides a cost effective method of joining reinforcing bars, particularly when the fixed bar is already in place and there is insufficient space for a hydraulic swaging press. They are easy to install and achieve failure loads higher than 115% of the characteristic yield strength of grade 500 reinforcing bar. Neither bar end preparation to form threads, nor bar rotation are required.

MBT couplers can also be used to join imperial, plain round or deformed reinforcing bars. There are also a range of Transistion (TS), Continuity (CS) & Headed Anchors within the Series.



| MBT ET Series | |
|---------------|---------|
| Type | Bar Dia |
| ET10 | 10mm |
| ET12 | 12mm |
| ET14 | 14mm |
| ET16 | 16mm |
| ET20 | 20mm |
| ET25 | 25mm |

Available up to 40mm diameter

TERWA Alligator Splicing Couplers

The Alligator Couplers are used for splicing any grade or profile of reinforcing bar. These couplers are made for reinforcement steel with diameters in the range of 10mm to 40mm.

Connection is made by inserting bars into both ends of the coupler. The shear bolts are then screwed by hand and tightened with either our electric or pneumatic impact wrench until bolts shear off. These couplers can be used in particular cases to replace the damaged reinforcement with full connection to the existing structure.



Advantages

- No need for threading or any other bar preparation.
- Fast, simple, and easy to use.
- No specialist skilled labour required.
- No welded components.
- Performs as a continuous piece of rebar.
- Allows for easy visual inspection.
- CARES Technical Approval

| Coupler Dimensions (range) | |
|----------------------------|--------------------|
| Bar Coupling Dia: | 10mm - 40mm |
| Unit lengths: | 160mm - 580mm |
| No of Bolts: | 6 (M12) - 18 (M20) |



Shear Load Connectors

The Ancon range of connectors offers significant advantages over plain dowels. Each connector is a two-part assembly comprising a sleeve and a dowel component. Installation is a fast and accurate process, drilling of either formwork or concrete is not required. The sleeve is simply nailed to the formwork ensuring subsequent alignment with the dowel, essential for effective movement. They are manufactured from stainless steel to ensure a high degree of corrosion resistance with no requirement for additional protection.



Ancon DSD



The Ancon DSD is the original two-part, double dowel, shear load connector. The two dowels are Duplex stainless steel bar.

Ancon ESD



The Ancon ESD shear load connector is used where loads are small, but where alignment is critical.

Ancon DSDQ



The Ancon DSDQ shear load connector uses the same dowel component as the Ancon DSD, but the cylindrical sleeve is contained within a rectangular box section to allow lateral and longitudinal movement.

Ancon ESDQ



The Ancon ESDQ shear load connector uses the same dowel as the ESD, but the cylindrical sleeve is contained within a rectangular box section to allow lateral, rotational and longitudinal movement.



Shearfix

Used within a slab to provide additional reinforcement around columns, Ancon Shearfix is the ideal solution to the design and construction problems associated with punching shear. The system consists of double-headed studs welded to flat rails, positioned around the column head or base.



The shear load from the slab is transferred through the studs into the column. Shearfix is suitable for all column shapes and is easy to install either 'top down' or 'bottom up', depending on user preference.

| Type | Stud Dia |
|------|----------|
| AS10 | 10mm |
| AS12 | 12mm |
| AS14 | 14mm |
| AS16 | 16mm |
| AS20 | 20mm |
| AS24 | 24mm |



Reinforcement & Formwork Accessories



Isolan

The Ancon Isolan system is a structural component used to join external concrete balconies to internal concrete floor slabs. It provides continuity to both the reinforcement and the thermal insulation of the wall protecting the building against the effects of cold bridging. Standard Isolan systems, comprising rigid CFC-free polystyrene insulation and stainless steel shear reinforcement, suit most depths of cantilever and simply supported balconies.



MV system

The Ancon Isolan MV system is used for the transfer of moment and shear forces in cantilevered balconies.



V system

The Ancon Isolan V system is used for the transfer of shear forces in simply supported balconies.



Full design literature is provided by Ancon to ensure selection of the most appropriate element, and the correct bar / reinforcement arrangement for the application.



Multijoint Dowels

The MultiJoint system is an all-in-one solution to load transfer, concrete contraction, armoured edge protection and formwork in ground bearing floor slabs.

It is a prefabricated steel system supplied in a standard three metre unit length and is available in four heights to suit slab depths from 150mm.

Units are simply lapped end-to-end on site. A unique patented top rail transfers load into the concrete at an angle, to avoid localised cracking.



Prefabricated corner units provide continuity in joint aris protection at the most vulnerable area of the slab. Standard four-way and threeway profiles are available, with non-standard intersections manufactured on request

| Multijoint Dowel Dimensions | | | | | | | |
|-----------------------------|--------|--------|----------------------|-------|---------------|----------------|----------------|
| Reference | Length | Height | Slab Depth Min / Max | | Dowel Centres | T Junction Ref | X Junction Ref |
| MJ-SL80 | 3000mm | 140mm | 150mm | 200mm | 600mm | MJ-SL80-T | MJ-SL80-X |
| MJ-SL110 | 3000mm | 190mm | 200mm | 250mm | 600mm | MJ-SL110-T | MJ-SL110-X |
| MJ-SL130 | 3000mm | 240mm | 250mm | 300mm | 600mm | MJ-SL130-T | MJ-SL130-X |
| MJ-SL160 | 3000mm | 290mm | 300mm | 350mm | 600mm | MJ-SL160-T | MJ-SL160-X |



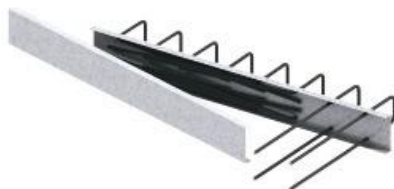
Eazistrip Reinforcement Continuity System

The Eazistrip Reinforcement Continuity System is a quick and easy to install method of maintaining continuity of reinforcement at construction joints in concrete. It consists of a galvanised steel casing with a dimpled surface to provide an effective concrete bond. Pre-bent bars are housed within the casing and are enclosed by a protective cover.

Each end of the unit is sealed with a polystyrene block in order to prevent the ingress of concrete. The complete unit is nailed to the formwork. Alternatively it can be wired back to the main reinforcement cage.

The concrete is then cast. After striking the formwork, the cover is removed and the bars are straightened, ready for lapping onto the main reinforcement, using an Eazistrip re-bending tool.

Suitable for applications such as : Floor slabs, Walls, Stairwells, Corbels, Diaphragm walls, Jumpforms & Brick support ledges



Cut & Bent Reinforcement & Mesh Fabric

Cut & Bent Reinforcement manufactured to BS 4449:2005 (Stainless Steel Available)

| Nom. Size (mm) | 40 | 32 | 25 | 20 | 16 | 12 | 10 | 8 |
|---------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| X-Sect. Area (mm ²) | 1256.6 | 804.2 | 490.0 | 314.2 | 201.1 | 113.1 | 78.5 | 50.3 |
| Mass Kg/m | 9.864 | 6.313 | 3.854 | 2.466 | 1.579 | 0.888 | 0.616 | 0.395 |

Mesh Fabric Sheets manufactured to BS 4449:2005 - 2.4m x 4.8m (Stainless Steel Available)

| Type | Mesh size (mm) | | Wire Sizes (mm) | | Weight per m ² (kg) | Sheet weight (kg) |
|-------|----------------|-------|-----------------|-------|--------------------------------|-------------------|
| | Main | Cross | Main | Cross | | |
| A393 | 200 | 200 | 10 | 10 | 6.16 | 70.96 |
| A252 | 200 | 200 | 8 | 8 | 3.95 | 45.50 |
| A193 | 200 | 200 | 7 | 7 | 3.02 | 34.79 |
| A142 | 200 | 200 | 6 | 6 | 2.22 | 25.57 |
| A98 | 200 | 200 | 5 | 5 | 1.54 | 17.74 |
| B1131 | 100 | 200 | 12 | 8 | 10.90 | 125.57 |
| B503 | 100 | 200 | 8 | 8 | 5.93 | 68.31 |
| B196 | 100 | 200 | 5 | 7 | 3.05 | 35.14 |
| C503 | 100 | 400 | 8 | 5 | 4.34 | 50.00 |
| C385 | 100 | 400 | 7 | 5 | 3.41 | 39.28 |
| C283 | 100 | 400 | 6 | 6 | 2.61 | 30.07 |
| D49 | 100 | 100 | 2.5 | 2.5 | 0.77 | 8.87 |



Formwork Tie Rod System

Tie Rod threaded bars are hot rolled in the steel mill and come with thread-like deformed ribs over the entire length of the bar. The bar can be cut anywhere and is instantly threadable without further preparation.

Tie Rod Bar



| Dia. | Strength | Length |
|--------|----------|----------|
| 15mm | 180kN | 1.5 / 6m |
| 20mm | 210kN | 1.5 / 6m |
| 26.5mm | 520kN | 6.0m |
| 32mm | 844kN | - |
| 36mm | 1070kN | - |

Tie Rod Wing Nuts



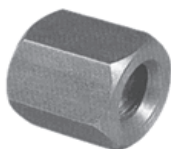
| Diameter | Pack size |
|----------|-----------|
| 15mm | 100 |
| 20mm | 50 |
| 26.5mm | Each |
| 32mm | Each |
| 36mm | Each |

Tie Rod Waler Plate



| Diameter | Size (mm) |
|----------|------------------|
| 15mm | 120 x 120 x 10mm |
| 20mm | 120 x 120 x 20mm |
| 26.5mm | 130 x 130 x 35mm |
| 32mm | 160 x 160 x 40mm |

Hex Nuts



| Diameter | Size |
|----------|------------|
| 15mm | 30 x 50mm |
| 20mm | 36 x 60mm |
| 26.5mm | 46 x 120mm |

Connector



| Diameter | Size |
|----------|------------|
| 15mm | 30 x 105mm |
| 20mm | 40 x 130mm |
| 26.5mm | 50 x 150mm |

Waterstop Connectors



| Diameter | Type |
|------------|------------------|
| 15 x 110mm | Flanged / Ribbed |
| 20 x 130mm | Flanged |
| 26.5mm | Flanged |

Formwork Magnets



Heavy Duty ring magnets for removing wire & nails from shutters prior to concrete placement
OD Size = 45mm & 60mm

Rock Anchors



| Size | Length |
|------|--------|
| 15mm | 130mm |
| 20mm | 125mm |

Weldable Anchors



| Diameter | Size |
|----------|------------|
| 15mm | 130 x 50mm |

Rigid Plastic Tube



| Size (Int /Ext Dia) | Pack |
|---------------------|------|
| 22/26mm | 100 |
| 20/24mm | 50 |
| 26/30mm | 50 |

Plastic Cones



| Size | Pack |
|------|------|
| 20mm | 500 |
| 22mm | 500 |
| 26mm | 250 |

Rubber Stoppers



| Size | Pack |
|------|------|
| 20mm | 500 |
| 22mm | 500 |
| 26mm | 250 |

Clear Plastic Tube



| Size (Int Dia) | Coil |
|----------------|------|
| 20mm | 30m |
| 22mm | 30m |
| 26mm | 30m |

Tie Bar Hole Filler



Solplug is a polymer modified cementitious powder specifically designed for plugging tie holes.

| Size | Yield |
|---------|----------|
| 2kg tub | 1 Litre |
| 8kg tub | 4 Litres |

Plastic Stoppers



| Size | Pack |
|----------------|------|
| 20 / 22 / 26mm | 1000 |
| 32mm | 500 |
| 40mm | 250 |

Chamfer / Edge Profiles



Plastic profiles used to produce chamfered corners in formwork

| Size |
|-----------------------|
| 25mm x 2.5m (flanged) |
| 25mm x 2.5m (column) |

Plastic Kickers



| Size | Pack |
|----------------|------|
| 11 / 15 / 20mm | 100 |
| 25 / 30mm | 50 |

Steel Kickers



| Wall Widths |
|----------------------------|
| 150 / 175mm - Single |
| 200 / 225 / 250mm - Double |

Plastic Inserts



Alternative to stainless steel inserts

| Sizes |
|-------|
| 70mm |

Void Formers

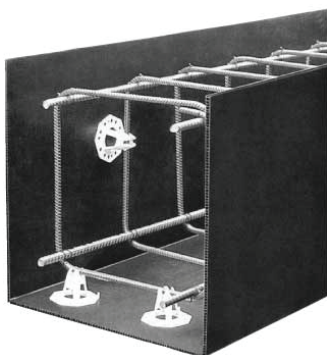


| |
|----------------------|
| 20mm x 10m x 3m (HS) |
| 25mm x 12m x 3m (HS) |
| 20mm x 20m x 3m (FS) |
| 25mm x 25m x 3m (FS) |

Manufactured from rigid PVC which enables several re-uses, slightly tapered section for easy removal without spalling, and is easily fixed by direct nailing to shuttering.



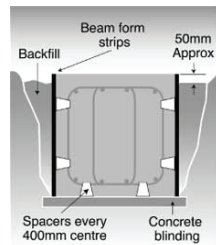
BAYFORM Permanent Formwork System



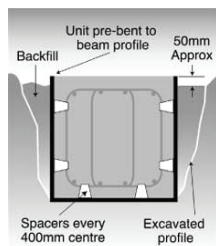
BAYFORM provides the contractor with a rapid and cost effective method of constructing concrete ground beams and pile caps. Manufactured from heavy duty polypropylene in 8mm thickness, the system has many advantages over traditional timber or steel pan construction.

BAYFORM is supplied in three main forms:

- Standard 4.4m x 2.4m sheets, cut on site by the contractor
- Supplied in cut strips, when using sides only
- Pre-fabricated into U-sections in the factory to suit site requirements



Strips of corrugated beam form supplied for pile caps, bases or beams and supported on concrete blinding



U-shaped corrugated beam form placed in levelled excavated surface

Advantages:

- Can be bent to form any ground beam detail
- Requires less excavation than traditional shuttering
- Light but rigid so easily handled
- Can arrive on site tailor made ready for installation
- Supplied flat pack so requires minimal storage space
- Reduces over dig and spoil cartage
- Easily installed and cut to exact dimensions
- Minimises concrete wastage
- No stripping, cleaning or release agents are needed
- Easily adapted to suit services and variations on site.

BAYFORM Accessories



Plastic grade plate spacer with ability to grip 6mm to 16mm diameter bars without the need for tying. Two sizes are available. 40/50mm cover and 65/75mm cover. Recommended spacings 8 per square metre.



Manufactured from heavy duty plastic, these spacers are supplied in 2 metre lengths. Sizes available 40mm, 50mm and 70mm.. Recommended for precision alignment of beams.



Manufactured to a high standard and comes in 1 metre lengths, 40mm or 50mm high. Recommended for use in the bottom of heavy beam cages and pile caps.



A tough high matt PVC tape, serrated for easy tearing. It has excellent adhesive qualities, so protecting against grout loss. 50mm x 33m rolls. Quantity: 1 roll per 30m² of Bayform.



High quality cutting knife



Solco Form-Tie Waterstop



Solco Form-Tie Waterstops are produced from a unique hydrophilic rubber sealing compound which expands in a controlled fashion when exposed to moisture to form a compression seal inside or around the form-tie system in the concrete structure, to give a permanent flexible watertight seal.

Available in a number of different sizes and profiles to suit the form-tie system and once installed, forms a continuous barrier, making Solco Form-Tie Waterstops ideal for preventing water penetration or egress



Form-Tie Plug

(Externally inserted into the Form-Tie Conduit Sleeve)



Form-Tie Ring

(Externally applied around the Form-Tie Conduit Sleeve or the Form-Tie Rod)



Form-Tie Connector

(Externally applied around the Tie-Rod, with a Form-Tie Ring completing the seal)

Typical Uses

Water Retaining Structures

- Water Tanks, Reservoirs & Dams
- Water Treatment Plants
- Sewage Treatment Plants
- Swimming Pools

Water Excluding Structures

- Basements
- Underground Car Parks
- Tunnels & Subways
- Retaining Walls
- Pits & Manholes

Features & Benefits

- Excellent sealing capabilities , range of sizes available
- Provides a permanent, flexible gasket and compression seal inside the concrete.
- High quality, non-biodegradable hydrophilic rubber that provides long-term durability and integrity.
- Ability to expand up to 400% in contact with concrete water and over 200% expansion in salt water.
- Has been tested to withstand over 60 metres of hydrostatic water head pressure.
- Most suited to water retaining structures where direct water pressure is applied against the concrete
- No external grout required to fill form-tie conduit sleeve hole after Solco Form-Tie Plug has been positioned.
- Non-toxic and can be used in potable water structures.
- Unaffected by repeated wet and dry cycles.
- Fast and simple to install.

| Form Tie Plugs | |
|------------------------------------------------------------------------------------------------------|--|
| Sealing Plug 22mm | |
| Sealing Plug 22mm O.D 23mm x 39mm long To be used with Form Tie sleeve with Internal Dia. 22mm | |
| Sealing Plug 24mm | |
| Sealing Plug 24mm O.D 25mm x 51mm long to be used with Form Tie sleeve with Internal Dia. 24mm | |
| Sealing Plug 26mm | |
| Sealing Plug 26mm O.D 27mm x 51mm long To be used with Form Tie sleeve with Internal Dia. 26mm | |

| Sealing UFO's & Connectors | | | |
|---------------------------------------------------------------|--|-------------------------------------------------------------------|--|
| Sealing UFO Rings | | Sealing Connectors | |
| Sealing UFO 12mm Sleeve/rod O.D 16mm to 20mm | | Use Sleeve/rod O.D 16mm to 20mm | |
| Sealing UFO 17mm Sleeve/rod O.D 24mm to 30mm | | Use Sleeve/rod O.D 24mm to 30mm | |
| Sealing UFO 24mm (use with Sealing Connector 15mm) | | Sealing Connector 15mm To be used with Tie-rod O.D 15mm | |
| Sealing UFO 31mm (use with Sealing Connectors 20mm & 23mm) | | Sealing Connector 20mm & 23mm To be used with Tie-rod O.D 20mm | |
| Sealing UFO 39mm (use with Sealing Connectors 26mm & 30mm) | | Sealing Connector 26mm & 30mm To be used with Tie-rod O.D 26mm | |



BAG ® Column Formers

BAG ® Column Formers are a single use formwork system that gives an excellent smooth fair face surface finish. BAG Column Formers are manufactured by welding together several layers of high quality polyethylene coated kraft paper, which are spirally wound and bonded together by heating the polyethylene.

Once this step is complete, a water resistant foil is also spirally wound over the kraft paper, sealing the column against humidity.

This manufacturing process requires no additional adhesives which reduces the wall thickness, making the BAG ® Column Formers light and easy to handle.

| Circular Tube (mm) | Tube Wall Thickness (mm) | Max Pour Height (mtr) |
|-----------------------|--------------------------|-----------------------|
| 150 / 200 | 2.80 | 6.0 |
| 240 / 250 / 300 | 3.20 | 6.0 |
| 350 | 3.70 | 6.0 |
| 400 / 450 | 4.10 | 6.0 |
| 500 / 550 | 4.60 | 6.0 |
| 600 | 5.00 | 6.0 |
| 650 / 700 / 750 | 5.00 | 4.0 |
| 800 / 850 / 900 / 950 | 5.50 | 4.0 |
| 1000 / 1100 / 1200 | 5.90 | 4.0 |

Advantages:

- Light easy to handle as opposed to steel shuttering.
- Labour saving.
- Easy to strip, no mould oils required.
- Quality fair faced finish.
- Can be used for protective cover for the completed columns

Design Options

Lined - BAG ® Column Formers have a PVC liner which is fitted the whole length of the inner diameter the Column Former, this provides an impeccably smooth finish. BAG ® Column Formers will only leave a hairline seam on the concrete from the point where the liner joint meets.

Unlined - BAG ® Column Formers are also available unlined for applications where surface finish is not critical. This Column Former will leave a spiral effect on the finished column.

Square - BAG ® can offer square or rectangular columns on request, made from our standard Column Former with an additional polystyrene insert, manufactured to your specific requirements.

Bespoke - BAG ® can also offer made to order bespoke designs.



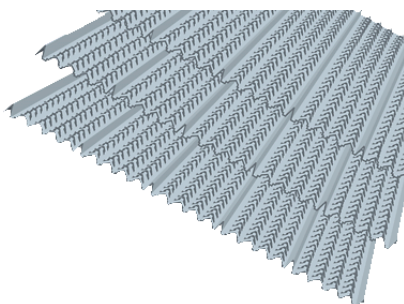
| Square Tube (mm) | Max Pour Height (mtr) |
|------------------|-----------------------|
| 200 x 200 | 6.0 |
| 240 x 240 | 6.0 |
| 250 x 250 | 6.0 |
| 300 x 300 | 6.0 |
| 350 x 350 | 6.0 |
| 400 x 400 | 6.0 |
| 450 x 450 | 6.0 |



| Rectangular Tube (mm) | Max Pour Height (mtr) |
|-----------------------|-----------------------|
| 175 x 200 | 6.0 |
| 200 x 240 - 500 | 6.0 |
| 240 x 300 - 500 | 6.0 |
| 250 x 300 - 500 | 6.0 |
| 300 x 350 - 500 | 6.0 |
| 350 x 400 - 500 | 6.0 |
| 400 x 500 | 6.0 |



Bayform Permanent Formwork System



Bluebay expanded metal formwork is specifically designed for concrete construction. It is produced from Hot Dipped Zinc coated Steel, and features 21mm deep ribs running lengthwise across the sheet.

It can be used for construction joints and stop ends. The construction of the sheet is designed to produce a mechanical key and a strong bond across the joint.

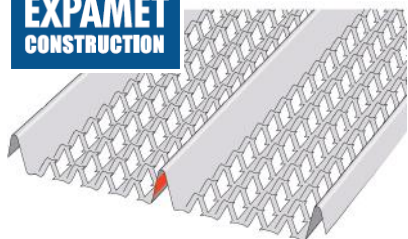
Advantages

- Time saving - no stripping of formwork
- Allows continuous fixing of reinforcement no preparation of joint surface.
- Easy installation - Cut & Shaped by hand.
- Can be radiused for curved applications
- Lightweight and easy to handle
- Reduces concrete pressure on construction joint
- Reduces the risk of blow-holes or honeycombing

| Property | Units | Size |
|-------------------|-------|-------|
| Sheet Width | mm | 445 |
| Available lengths | m | 2 / 3 |
| Minimum radius | mm | 500 |



Hy-Rib Permanent Formwork System






Hy-Rib® is an expanded metal sheet product, designed for use as permanent formwork to concrete. The profile of the open mesh, in combination with the Hy-Rib® tangs, allows the development of dense concrete nodules and indents on the face of the Hy-Rib®, forming an enhanced mechanical key for the second phase pour and is suitable for a rendered or tiled finish.

Hy-Rib® is available in 2000, 3000, 4000 and 5000mm lengths. The edge rib is manufactured to nest tightly with the edge rib of an adjacent Hy-Rib® sheet.

All Hy-Rib® is colour coded to enable easy identification of the steel type and gauge of the sheet. An open mesh allows bleed water to escape providing a dense, impenetrable concrete zone at the surface and immediately behind the Hy-Rib®.

Typical applications include:

- Construction joints in thin and thick bases, walls and suspended slabs.
- Circular pile or void formers.
- Capping beams.
- Sprayed concrete backgrounds
- Render backgrounds.
- Underwater construction applications.
- Permanent wall and column formwork.
- Permanent soffit formwork.
- Industrial floor slabs.

| Thickness (Steel Gauge) | 0.4mm | 0.5mm | 0.75mm |
|-------------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Weight | 3.39kg/m ² | 4.23kg/m ² | 6.34kg/m ² |
| Sheet Identification |  ID Colour: Red 2811 |  ID Colour: Green 2611 |  ID Colour: Yellow 2411 |



recostal® Speed Edge Formwork



Speed edge formwork is made from galvanised sheet metal and is used for shuttering base and floor slabs.

Corners are easily installed by simply cutting the base of the 2.25m long units.

Advantages

- self-supporting up to $h=50\text{cm}$
- no additional support necessary
- no stripping
- fast installation
- corners are simply bent into shape
- low transport costs
- installation without crane

Installation



Simple lap joints with 3-4cm overlap

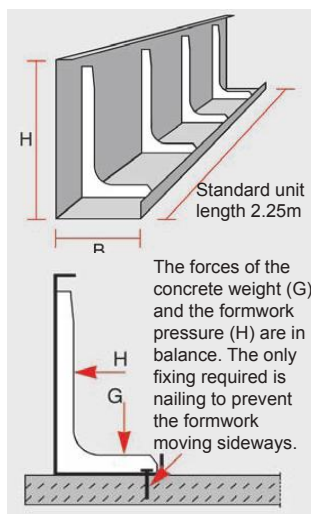


Fixing with standard or extra long nail



External Corner: Cut base & bend

Dimensions



| Type | H (mm) | B (mm) | Units / Pallet |
|------|--------|--------|----------------|
| R14 | 140 | 120 | 378m |
| R16 | 160 | 120 | 315m |
| R18 | 180 | 120 | 315m |
| R20 | 200 | 155 | 252m |
| R22 | 220 | 130 | 234m |
| R24 | 240 | 140 | 189m |
| R25 | 250 | 155 | 157.5m |
| R26 | 260 | 160 | 148.5m |
| R28 | 280 | 170 | 135m |
| R30 | 300 | 180 | 135m |
| R35 | 350 | 210 | 90m |
| R40 | 400 | 240 | 63m |
| R45 | 450 | 270 | 63m |
| R50 | 500 | 300 | 54m |



recostal® Shuttering Strips



With Shuttering strips, openings of all sizes in base slabs and concrete floors are quickly installed. Shutter Strips are perforated crosswise every 50mm.

The length of opening is a multiplication of this size, i.e. 150 x 150, 200 x 300 etc...

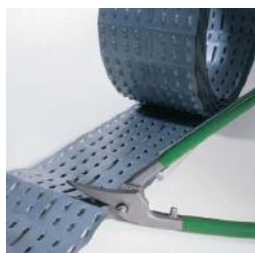
The scaled profile ensures proper bond to the concrete.

Advantages

- strong bond to concrete
- almost any size possible due to pre-punched profiling at distances of 5 cm
- easy vertical bending
- various shapes possible



Installation



Unroll shuttering strip and cut to length with snips or angle grinder



Fold shuttering strip over the edge of a table at the required length and trim



Fix the overlapping ends with tie wire or metal strips

| Type SF | H (mm) | Units / Pallet |
|---------|--------|----------------|
| SF14 | 140 | 480m |
| SF16 | 160 | 480m |
| SF18 | 180 | 420m |
| SF20 | 200 | 420m |
| SF22 | 220 | 360m |
| SF24 | 240 | 360m |
| SF25 | 250 | 300m |
| SF26 | 260 | 300m |
| SF28 | 280 | 300m |
| SF30 | 300 | 300m |

Type SF
with scaled profile



Type S
with notched profile



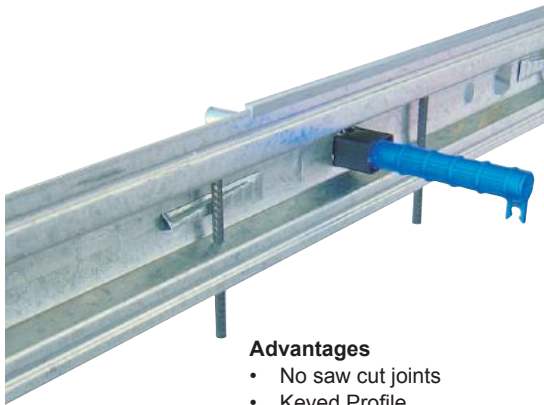
| Type S | H (mm) | Units / Pallet |
|--------|--------|----------------|
| SF14 | 140 | 480m |
| SF16 | 160 | 480m |
| SF18 | 180 | 420m |
| SF20 | 200 | 420m |
| SF22 | 220 | 360m |
| SF24 | 240 | 360m |
| SF25 | 250 | 300m |
| SF26 | 260 | 300m |
| SF28 | 280 | 300m |
| SF30 | 300 | 300m |
| SF32 | 320 | 300m |
| SF34 | 340 | 240m |
| SF36 | 360 | 240m |



Reinforcement & Formwork Accessories



recostal® Keyboard, Construction Joint



Recostal Keyboard units are used in the construction of concrete floors and road decks as an alternative to using saw joints, this ensures that controlled cracks appear along the units in keyed joints between the slabs. In the case of increased loads additional dowel bars can be added.

A choice of PVC capping strips, either removable or permanent form the top of the units. The units are adjusted in height with simple wedges.

Advantages

- No saw cut joints
- Keyed Profile
- Easily adjusted with wedges
- Concreting in a single operation



Installation



Insert fixing pegs at 600mm centres



Adjust unit height with wedges



Install PVC capping strips onto units





Start pouring / placing the concrete

| Product | Contents |
|----------------------|--------------------------------------------------------------------------------|
| KB135 (Complete set) | 1 No. recostal keyboard KB135, L=3.0m, 5 No. Fixing pegs (400mm) & 5 No wedges |
| KB180 (Complete set) | 1 No. recostal keyboard KB180, L=3.0m, 5 No. Fixing pegs (400mm) & 5 No wedges |
| Accessories | Removable PVC capping Strips (7.5mm / 12mm) & Permanent PVC Caps (9.5mm) |









Formwork Treatments

|  | Solcure Standard - 75% Efficient Concrete Curing Compound | Sizes |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| | Solcure Standard physically "locks" moisture into freshly cast concrete surfaces to allow full hydration of the cement thus allowing the concrete to fully "cure". It does this by covering the surface of the concrete with a resin film that prevents moisture from leaving the surface. | 25 litres 210 litres 1000 litres |
|  | Solcure Super - 90% Efficient Concrete Curing Compound | Sizes |
| | Solcure Super physically "locks" moisture into freshly cast concrete surfaces to allow full hydration of the cement thus allowing the concrete to fully "cure". It does this by covering the surface of the concrete with a resin film that prevents moisture from leaving the surface. | 25 litres 210 litres |











SOLCO Formwork Treatments

| | | |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
|  | Solease Premium - Concrete Chemical Release Agent Solease Premium is a chemical release agent for use on formwork and moulds to provide easy release and superior concrete surface finish. It is a blend of reactive oils in a partially evaporative hydrocarbon carrier leaving the remainder of the carrier to form a positive barrier between the form face and the concrete. The release properties of this barrier is further enhanced when soaps are formed by the reactive oils combining with free limes in the concrete | Sizes 25 litres 210 litres 1000 litres |
|  | Solstrip - Formwork Mould Oil (BCA Category 2) Solstrip is a blend of a heavy oil, a solvent diluents and surfactants. The diluent ensures the material is easily sprayable during application after which it evaporates to leave the oil on the form face to act as a barrier between it and the concrete and the surfactants help to minimise the incidence of surface blow-holes | Sizes 25 litres 210 litres |
|  | Solstrike - Concrete Mould Release Oil (BCA Category 2) Solstrike is a high quality mould oil for general site & precast yard use that achieves a top quality concrete finish in most situations. Release is achieved by the oil forming a physical barrier between the formwork surface and the concrete. Surfactants help to eliminate blowholes and provide a clean uniform and non-stained surface | Sizes 25 litres 210 litres |
|  | Solform Wax - Wax Based Sealer & Release Agent Wax-Based Sealer & Release Agent (BCA Category 7). For the initial sealing of porous formwork and for use as a release agent on impervious formwork materials. | Sizes 20 Kg |
|  | Solcast DS - Concrete Chemical Release Agent (BCA Category 5) Concrete Chemical Release Agent (BCA Category 5) Non-hazardous release agent specifically formulated to give easy release of formwork and high quality surface finishes on ABS and Thermoplastic moulds | Sizes 25 litres 210 litres |
|  | Solplug - Tie Hole Filler Solplug is a pre-blended cementitious wall tie sealing compound. The plastic shrinkage characteristics are low and the set compound affords a high level of resistance to sulphate and other chemical attack when fully cured. Solplug is a compound consisting of quality assured raw materials and specialist chemical modifiers designed to provide rapid set and anti-wash-out properties. The compound is chloride free. | Sizes 8 Kg |



SOLCO

Eco-Friendly Formwork Treatments

|  | Solease WB - Formwork Release Agent | Sizes |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| | Solease WB uses the latest water soluble polymer technology to produce a stable, environmentally friendly and highly efficient release agent for concrete form work on site. Solease WB is particularly suited to outdoor use on faced plywood and other impervious formwork materials | 25 litres 210 litres 1000 litres |
|  | Solcure Standard WB - Med Efficiency Concrete Curing Compound | Sizes |
| | Solcure Standard WB uses the latest water soluble polymer technology to produce a stable, environmentally friendly and highly efficient curing agent for concrete form work on site | 25 litres 210 litres |
|  | Solcure Super WB - High Efficiency Concrete Curing Compound. | 210 litres |
| | Solcure Super WB is an environmentally friendly Water Based, High Efficiency Concrete Curing Compound. (Conforms to ASTM C309-1 Type 1 Class A) | 25 litres 210 litres |
|  | Solcure Sealer WB - Concrete Curing & Sealing compound. | Sizes |
| | Solcure Sealer WB is an environmentally friendly water based, low odour, membrane forming liquid for curing, sealing and dust-proofing concrete. | 25 litres 210 litres |
|  | Solcure WW & WWT - Concrete Curing Compound | Sizes |
| | Solcure WW & WWT is an environmentally friendly concrete curing, compound. WWT has a blue tinted dye added for identification & application | 25 litres 210 litres |
|  | Soltard MF - Formwork Surface Retarder | Sizes |
| | Soltard MF is an environmentally friendly transparent aqueous composition with a gel consistency colour tinted to assist application. Soltard MF has been formulated to retard the set of fresh concrete that comes into contact with it | 25 litres 210 litres |
|  | Soltard TF - Formwork Surface Retarder | Sizes |
| | Soltard TF is an environmentally friendly aqueous liquid suitable for either spray or watering can application. It retards the set of the surface cement matrix of freshly cast concrete for easy removal | 25 litres 210 litres |
|  | Soltuf - Concrete Surface Hardener & Dust-proofer | Sizes |
| | Soltuf is an environmentally friendly surface hardener and dustproofers which when applied to a cement-bound floor will significantly improve the life of both old and new floors. It reduces floor maintenance and subsequent cleaning costs, but also reduces dust hazard to both health and machinery | 25 litres 210 litres |



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Site Start-up



Orange Barrier Fencing

Orange barrier fencing mesh is an extruded barrier mesh for cordoning off areas on construction sites, railways, gardens and sporting events etc. Easy to erect using steel fencing pins.

| Size |
|----------------------|
| Roll Size - 1m x 50m |



Pigtail Pins

Steel Fencing Pins - Sold in packs of 10. Ideal for temporary barriers in conjunction with barrier tape / barrier fencing

| Size |
|--------------|
| 1.35m x 10mm |



Road / Fencing Pins

Road Pins have a forged point one end to go through the hardest of substrates, and made from smooth mild steel for ease of extraction.

| Sizes |
|--------------|
| 20mm x 600mm |
| 16mm x 900mm |
| 20mm x 900mm |



Non-conductive Road / Fencing Pins

Unlike other traditionally manufactured fencing pins, instead of being made from steel, these pins are made from a non-conductive material which eliminates the risk of electric shock to the user in the event of hitting underground power cables. This makes them a far safer option and therefore a must to those who are daily exposed to this dangerous environment.

| Size |
|---------------|
| 1270 x 12.7mm |



Line Marker Paint

A spray applied marking paint for contractors/surveyors spot marking. Colour coded for electric, gas, water and cable company use. Semi permanent formula lasts at least 3 months after application.

Survey Line is available in seven different colours: White (General Marker), Red (Electricity), Yellow (General Marker), Blue (Water), Orange (General Marker), Green (Cable Work) and Black (Covering Old Lines).

| Colour | Pack Size |
|--------|-----------|
| White | 700ml |
| Yellow | 700ml |
| Red | 700ml |
| Orange | 700ml |
| Green | 700ml |
| Blue | 700ml |
| Black | 700ml |



Marking Chalk

Micro fine quality chalks. Contained in an airtight container with pouring spout.

| Size |
|-----------------------------|
| Pack Size 225g |
| Colours: Red / White / Blue |



Soltex Frost Blankets



Applications

- Negligible water absorption
- Excellent thermal insulation
- Excellent chemical resistance
- Fast laying from the roll
- Lightweight, easy to handle and cut
- Good mechanical resistance
- Flexible at very low temperatures

Laying concrete at temperatures below 5°C generally requires special precautions (such as special concrete additives, heating devices, hot vapour equipment etc.). An easy and inexpensive solution is the use of Frost Blankets. The thermal insulation effect of the Frost Blanket significantly reduces the loss of natural concrete hydration heat and thereby keeps the concrete warm long enough for a safe curing.

The combination of their excellent thermal insulation performance, their negligible water absorption and their flexibility make Frost Blankets ideal for improved concrete curing. Frost Blankets can be directly rolled onto the wet concrete.

Technical Data

| | |
|-------------------------------------|------------|
| Cross-Linked (White) [DoT Approved] | 60m x 2.0m |
| Non Cross-Linked (Black) | 75m x 1.5m |



Frost Protection & Winter Products



Bubble wrap is used as a low cost concrete curing blanket / frost blanket and for membrane protection.

Technical Data

| | |
|------|-------------|
| Size | 1.5m x 100m |
|------|-------------|



Hessian rolls are used for the protection of concrete and masonry.

Technical Data

| | |
|------|-------------|
| Size | 1.37m x 46m |
|------|-------------|



Corrugated Cardboard is used as a low cost concrete curing blanket and for membrane protection. Ideal for short term use.

Technical Data

| | |
|------|----------|
| Size | 1m x 75m |
|------|----------|



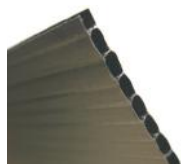
Winter grit is made from a blend of rock salt and grit. Combining the excellent ice and snow melting properties of pure rock salt with the added benefit of increased grit

Technical Data

| | |
|------|------|
| Size | 25Kg |
|------|------|



Protection Materials



Solco fluted protection sheets are a medium duty protection system to prevent installed membranes from accidental damage.

The fluted protection sheets are manufactured to ISO9002.

Technical Data

| | |
|-------------|---------------------|
| Black | 1.22m x 2.44m x 2mm |
| Clear (FRA) | 1.22 x 2.44m x 2mm |



Temporary Downpipe is a cost effective flexible polythene tube which can be easily and quickly fastened to guttering, providing effective draining of rainwater run-off.

The temporary downpipe is simply installed and secured by fixing with jubilee clips.

Technical Data

| Size | Pipe Dia | M/Roll |
|------|----------|--------|
| 157 | 75 | 210 |
| 203 | 100 | 210 |
| 240 | 125 | 210 |
| 305 | 150 | 210 |



Shrink wrap is manufactured from polythene and it has a high resistance to tearing and is ideal for wrapping and protecting goods. With it's extended core it is easy to apply.

Technical Data

| Size | 400mm x 300m |
|------|--------------|
|------|--------------|



Tear-proof laminated tarpaulins, waterproof and treated with UV filter for durability and extended service life. Mould and mildew resistant. Rust resistant metal grommets at 1m intervals. Sizes are 'cut' sizes.

Sizes

| |
|-------------|
| 1.8m x 2.4m |
| 2.4m x 3.0m |
| 3.6m x 4.8m |
| 3.6m x 6.1m |
| 4.8m x 6.1m |
| 6.1m x 9.0m |



Clear polythene dust sheet.

Technical Data

| Size | 3.6m x 2.7m |
|------|-------------|
|------|-------------|



80gsm woven material sandbags. Tie string included..

Technical Data

| Size | 750mm x 330mm |
|------|---------------|
|------|---------------|



Tough 80gsm woven material re-usable rubble sacks. Puncture resistant. For use with bricks, sand and gravel.

Technical Data

| Size | 900mm x 600mm |
|------|---------------|
|------|---------------|



Sealant Guns & Tools

**Sealant Gun Skeleton Type**

Pressed steel frame and handle with plunger and release clip.

For the application of sealants and adhesives. Max capacity 400ml.

Technical Data

| | |
|------|-------|
| Size | 400ml |
|------|-------|

**Heavy Duty Sealant Gun**

Pressed steel frame and handle with plunger and release clip. For the application of sealants and adhesives.

Technical Data

| | |
|------|-------|
| Size | 310ml |
|------|-------|

**Manual Foil Pack Gun**

Metal applicator gun for use with sausage silicone packs. Also suitable for use with standard sealant cartridges.

**Technical Data**

| | |
|------------------------|-------|
| Size | 600ml |
| 10pk Nozzles available | |

**PU Foam Applicator Gun**

Plastic-bodied PU foam gun with stainless steel nozzle for precise application of gun grade expanding foam.

Technical Data

| | |
|------|-------|
| Size | 200ml |
|------|-------|

**Heavy Duty PU Foam Applicator Gun**

Heavy-duty aluminium bodied PU foam gun with stainless steel nozzle and PTFE coating for easy cleaning. Allows gun grade expanding foam to be applied cleanly and precisely.

Technical Data

| | |
|------|-------|
| Size | 200ml |
|------|-------|

**Resin Applicator Gun**

Heavy-duty gun with strong steel skeleton frame with quick-release trigger for instant pressure release. For polyester resin fixing systems.

Technical Data

| | |
|------|-------|
| Size | 380ml |
|------|-------|

**Mortar Pointing Gun Kit**

Trigger-action high-thrust pointing and grouting gun. Hardened drive parts with rubber plunger between two metal plates. Includes two nozzles, mixing paddle, mortar gun and barrel.

Technical Data

| | |
|----------------------|-------|
| Size | 540ml |
| Spares kit available | |

**Blow-Out Pump**

For removal of dust from drilled holes, maximising anchor strength of fixings.

Technical Data

| | |
|------|-------|
| Size | 300ml |
|------|-------|

**Mixing Paddle**

For mixing sealants, use with slow speed drill 300-500rpm. Range of sizes available to suit application

Following Plate (c/w handle)

Use to assist barrel gun from sealant packs



Concrete Testing Equipment



Polystyrene Concrete Test Cube Moulds

6"/150mm Polystyrene Cube Moulds are used for one single test since it must be broken when the specimen is demoulded.

| Sizes |
|-----------------------|
| 100mm x 100mm x 100mm |
| 150mm x 150mm x 150mm |



Concrete Test Cube Moulds

Heavy duty steel four part type with base plate, 4"/100mm and 6"/150mm square.

| Sizes |
|-----------------------|
| 100mm x 100mm x 100mm |
| 150mm x 150mm x 150mm |



Concrete Tamping Bar

The cube mould tamping bar is used to produce concrete test cubes used to measure compressive strength of the cured concrete in accordance with BS EN 12390-2.

| Size |
|--------------|
| 380mm x 25mm |



Concrete Slump Test Cone

Slump Cone 300mm high.
Tapering from 200mm to 100mm.
Complete with base plate and tamping rod
Aluminium Scoop also available

| Sizes |
|-------------------------------------|
| Slump Cone - 300mm (h) |
| Aluminium scoop, 500 cc capacity |



Concrete Curing Tank

Manufactured in heavy duty Polypropylene supplied with Heater, Temperature Controller, Galvanised Cube Support Rack, Mains Lead and Plug.

| Size |
|----------------------|
| 1040 x 1040 x 605 mm |
| Weight 60 Kg |



Thermometers

Maximum-minimum thermometer
Digital Thermometer with integral probe



Tell Tales (Crack Monitors)

Precision silk screened grid.
Both positive & negative graduations marked.
Fine red crosshair allowing accurate estimation to 0.25mm.
Crack recording sheets are supplied with each unit to allow accurate recording of movement over a period of time.



Chemical Sprayers



Backpack Sprayer 20Ltr

Suitable Applicator for the Solcem Chemical Range. Comfortable, contoured backpack sprayer with harness and strong, integrated carry handle. Large filling hole with integrated filter to minimise blockages. Trigger lock for continuous spraying. Pressure relief safety valve. Includes extra nozzles and spares kit.



Pressure Sprayer 5 & 8Ltr

Suitable Applicators for the Solcem Chemical Range. Features ergonomically designed carry handle, translucent container, long reach lance with adjustable nozzle, safety valve and carrying strap. Colours may vary.



Sprayer Lance

Telescopic sprayer lance to suit all sprayer models



Heavy Duty Metal Pressure Sprayer 8Ltr

Suitable Applicators for the Solcem Chemical Range. Features ergonomically designed carry handle, metal container, long reach lance with adjustable nozzle, safety valve and carrying strap. Colours may vary.



Concrete Finishing Tools

Steel Hand Trowels



| Sizes |
|-------------|
| 320 x 100mm |
| 400 x 100mm |
| 360 x 100mm |
| 280 x 120mm |



Spiked Roller

The spiked roller for rolling out air bubbles from self levelling floor toppings. The spiked discs are solvent resistant for ease of cleaning.

| Sizes |
|-----------------|
| 360 x 70mm |
| 2m Alloy Handle |



Spiked Shoes

The spiked shoes are for walking over self levelling floor toppings.

| Sizes |
|-----------|
| Universal |



Notched Leveller

Notched blade for levelling floor toppings.

| Sizes |
|-------|
| 840mm |



Squeegee

Smooth edged

| Sizes |
|--------|
| 1000mm |



Bull Float

Hard wearing magnesium alloy tool for smoothing, levelling and finishing large areas of screed and wet concrete.

| Sizes |
|-----------------|
| 1150 x 200mm |
| 2m Alloy Handle |



Straight Edge

Lightweight accurate straight edge-measures 70 x 19 mm.
Used for cement render, tiling & as a general construction straight edge.

| Sizes |
|-----------------|
| 1200mm - 3600mm |



Concrete Placer / Rake

Heavy duty forged steel rakes / placers with long, heavy-gauge tubular handle.

| Sizes |
|--------------------------------------|
| 500 mm blade with reinforcement hook |
| 500 mm blade no hook |
| 570 mm notched blade |



Concrete Finishing Tools



Edging Tool

Belt polished surface for cutting clean smooth edges. Long wearing one-piece bronze with turned up edges. Easy to clean and comfortable to use. Walking tools require a 1500mm wooden handle

| Size | |
|----------------------|--|
| 225mm x 100mm x 6mm | |
| 1500mm Wooden Handle | |



Hand Floats

A range of concrete hand floats, strong, light and hard wearing

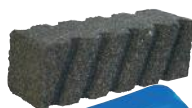
| Size | |
|------------|-----------|
| Plain | 400 x 85 |
| Round Edge | 400 x 85 |
| Plastic | 140 x 280 |



Finishing Brooms

Primarily used for concrete texturing on motorways, airport aprons and taxiways. To the latest DoT specification

| Sizes | |
|------------------------|--|
| 600mm / 900mm / 1200mm | |
| 1500mm Wooden Handle | |



Rubbing Bricks

Concrete Rubbing Brick - For cleaning and dressing floor tiles and concrete floors.



Silicone Carbide Rubbing Brick - Deep angled fluted base and comfortable D-handle. Cleans concrete and plaster splashes, mould marks and high spots.

| Sizes | |
|-------------------------------------------|--|
| Concrete Rubbing Brick 150 x 50 x 50mm | |
| Silicon Carbide 155 x 78 x 25mm | |



Floor Scraper

Heavy duty floor scraper with long wooden handle. Ideal for cleaning floors prior to fitting floor coverings.

| Sizes | |
|------------------------|--|
| Blade width - 180mm | |
| Handle Length - 1340mm | |



Concrete Groover

Durable groover for 38mm deep groove.

Bronze one-piece groover has a belt polished surface that cuts clean sharp

| Sizes | |
|----------------------|--|
| 187mm x 112mm x 38mm | |



Buckets / Brushes & Cleaners



Broom Stiff Bassine

Heavy duty rubberwood with stiff, bassine bristles. Suitable for use outdoors. Width 457mm (18"), compatible with 29mm dia (1-1/8") handles

| Sizes |
|-------------------------|
| Broom Head - 457mm |
| Handles - 29mm x 1200mm |



Block Brush

Plastic-handled block brush with excellent paint-holding capacity and a handy paint pot clip.

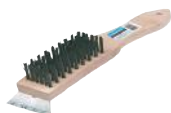
| Sizes |
|--------------------|
| Head width - 115mm |



Masonry Brush

Hard-wearing, medium stiff bristles. Ideal for exterior masonry.

| Sizes |
|--------------------|
| Head width - 150mm |



Wooden Wire Brush & Scraper

Heavy duty steel bristles. Wooden handle with scraper. Bristle length 25mm.

| Sizes |
|----------------|
| Length - 290mm |



Tar Brush

Short and long handled tar brush for preparation and sealing. Made from rubberwood with soft coco bristles. Suitable for application of viscous materials, such as liquid tar.

| Sizes |
|--------------------------|
| Lengths - 300mm & 1180mm |



Plastic Builders Bucket

General purpose plastic bucket with pouring lip.

| Sizes |
|----------------|
| Capacity 14.5L |



Roller & Tray Set

Roller and tray set with hardwearing black plastic tray. Standard diameter roller with easy-grip handle.

| Sizes |
|---------------------|
| Roller Size - 230mm |



Solwash Solvent Cleaner

Solwash is an opaque creamy white liquid developed for the cleaning of sprayers and other equipment that has been used with resin based products.

| Sizes |
|---------------------|
| 5 litre & 25 litres |





| | |
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SOLTEX Low Density Joint Filler

Soltex Joint Filler is a low density expansion and movement joint fillers which is suitable for use in brickwork and blockwork due to their low compressive strengths. Soltex Joint Filler is also suitable for expansion and isolation joints in concrete slab construction.



Soltex Joint Filler is a white coloured, closed cell, non-crosslinked, polyethylene, low resistance joint filler, for use in brick and blockwork. It fully meets the specification of BS5628 Pt 3: 2001 Section 5.4.3 – Code of Practice for use of masonry.

Soltex Joint Filler is ozone, oil, and weather resistant, and has very low water absorption properties of <1% by volume. When Soltex is used as a joint filler, there is no need for any additional bond breaker.

Advantages:

- Suitable for use in brick and blockwork
- Low Water Absorption
- Meets BS & DOT Specification
- Rot Proof & CFC Free

| Soltex LD Joint Fillers | |
|-----------------------------------------------------------------------------|------------------|
| Thickness | Lengths |
| 10 / 12 / 15mm | 10m Strips |
| 20 / 25mm | 2m Strips |
| 10 / 12 / 15 / 20 / 25mm | 2m x 1.2m Sheets |
| Standard widths 100/150/175/200mm - other widths are available upon request | |



SOLTEX High Density Joint Filler

Soltex HD is a, closed cell, cross-linked, semi rigid polyethylene, joint filler, for use in brick and blockwork. It fully meets the specification of BS5628 Pt 3: 2001 Section 5.4.3 – Code of Practice for use of masonry.



Soltex HD is compliant with the Department of Transport Specification 1015 for Roads and Bridges.

Soltex HD is ideal for use in all water retaining structures such as reservoirs, sewage tanks, runways, taxiways and aprons, sea defences etc.

Soltex HD is ozone, oil, and weather resistant, and has very low water absorption properties of 1% by volume.

Soltex HD has been tested to BS6920 by the Water Research Council (WRC), and can be used with potable water. It is registered under the Water Byelaws Scheme, product no. 9402509. Where Soltex HD is used as a joint filler, there is no need for any additional bond breaker.

Advantages:

- Non-Absorbent closed cell structure
- Ideal for use with potable water
- Meets BS, DOT & WRC specifications
- Waterproof & UV resistant

| Soltex HD Joint Fillers | |
|-----------------------------------------------------------------------------|------------------|
| Thickness | Lengths |
| 10 / 15 / 20 / 25mm | 2m Strips |
| 10 / 15 / 20 / 25mm | 2m x 1.2m Sheets |
| Standard widths 100/150/175/200mm - other widths are available upon request | |

**SOLCO**

Soltex Backer Rod

Backer-rod, is a closed cell polyethylene foam cord in varying diameters from 6mm up to 50mm (larger sizes run on request) Used behind sealants and mastics in expansion joints. It allows the volume of sealant or mastic used to be minimized and hence reduce overall cost.

Backer-rod is CFC and HCFC free and does not absorb moisture. Backer-rod is reusable and can be 100% recycled. The expanded Polyethylene is chemically and physically neutral.

Backer-Rod

| Size (dia.) | Coil Length |
|-------------|-------------|
| 6mm | 2500m |
| 10mm | 1150m |
| 13mm | 750m |
| 15mm | 550m |
| 20mm | 350m |
| 25mm | 200m |
| 30mm | 160m |
| 40mm | 270m |
| 50mm | 180m |
| 75mm | 70m |

SOLCO

Soltex Piling De-bond Foam

Soltex Piling De-bond Foam is a foam debonding tube that is installed on the projecting bars of a pile cage to prevent the concrete adhering to the reinforcing bars.

Piling Foam

| Tube Dia. | Dia Bar | Mtrs per box |
|-----------|---------|--------------|
| 15mm | 12mm | 380 |
| 18mm | 16mm | 330 |
| 22mm | 20mm | 250 |
| 28mm | 25mm | 190 |
| 35mm | 32mm | 150 |
| 42mm | 40mm | 110 |

SOLCO

Soltex Fibreboard

Fibreboard is a general purpose joint filler, comprising of compressed wood fibre material, and impregnated with bitumen emulsion.

It complies with DOE general specification No.201, clause 606 and the DOE specification for roads and bridge works, clause 2630 ASTM D 1751/73. Supplied in sheets or in cut strips, in a range of standard thicknesses

Fibreboard Sheets

| Size | Thickness |
|--------------|-------------|
| 1.22 x 2.44m | 12mm sheets |
| 1.22 x 2.44m | 20mm sheets |
| 1.22 x 2.44m | 25mm sheets |

Fibreboard Strips (2.44m Lengths)

| Size | Thickness (s) (mm) |
|-------|--------------------|
| 75mm | 10 / 12 / 20 / 25 |
| 100mm | 10 / 12 / 20 / 25 |
| 125mm | 10 / 12 / 20 / 25 |
| 150mm | 10 / 12 / 20 / 25 |
| 175mm | 10 / 12 / 20 / 25 |
| 200mm | 10 / 12 / 20 / 25 |

SOLCO



Soltex Resin Bonded Cork Board

A resin bonded cork fillerboard consisting of selected cork granules securely bound together by a synthetic resin.

Used in water retaining structures such as water treatments and sewage plants, sea walls and reservoirs.

Cork Board is strong, light in weight, flexible and acid resistant.

Cork Board Sheets

| Size | Thickness |
|---------------|-----------|
| 610mm x 915mm | 12 mm |
| 610mm x 915mm | 20mm |
| 610mm x 915mm | 25mm |

Compliant with ASTM D1752 - 67 (R73), Type 2

SOLCO



Soltex Slip Membrane

A slip membrane produced from an Ultra-heavy density polyethylene 2mm in thickness.

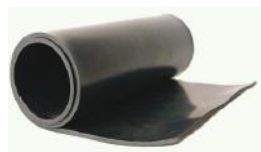
It is used in sliding joints where low friction resistant material is needed, but a high resistance to load is also required. Normally used in two layers therefore to form a low friction load bearing sliding joint.

Available in 25mt rolls cut to any width up to 1200 mm

Slip Membrane

| Size |
|-------------|
| 150mm x 25m |
| 300mm x 25m |

SOLCO



Soltex Neoprene Rubber

Neoprene rubber for structural movement joints and high load bearing areas in civil engineering construction.

Special Shapes, thicknesses and sizes are available upon request

Neoprene Rubber

| Size |
|------------------|
| 1.4m x 1m x 5mm |
| 1.4m x 1m x 10mm |

SOLCO



Soljoint Bitumen Sealer

Soljoint is a preformed bitumen sealing strip designed for joint sealing of precast concrete sections used in ground drainage, sewerage and subway construction.

A wide range of cross sections and sizes are available to suit any joint design or unit construction.

Typical Uses

- Box Culverts
- Subways and Duct Units
- Bolted Tunnel and Shaft Sections
- Concrete Pipes

Roll / Section Sizes

| 12mm x 25mm x 6m |
|-------------------------|
| 12mm x 60mm x 6m |
| 12mm x 80mm x 6m |
| 12mm x 120mm x 6m |
| 20mm x 25mm x 5m |
| 22mm x 30mm x 5.5m |
| 25mm x 40mm x 4m |
| Accessories |
| Solco Primer - 5 Litres |

**SOLTEX 600 & 600HPE Joint Sealant Tape****Soltex 600**

Is manufactured using an open cell polyurethane foam heavily impregnated with acrylics creating flame retardant properties. Under high compression the product will create a weather-proof seal, under low compression the product is suitable for draught sealing.

Soltex 600 is recommended for use in more extreme weather applications (tested to DIN 52453 Watertight Against Driving Rain) and is fully resistant to UV.

The product is supplied in rolls, pre-compressed to approximately 85%.

Soltex 600 Product Selector

| Gap (mm) | Tape Width (mm) | Product Reference |
|----------|-----------------|-------------------|
| 1-3 | 10 | 600 10 1-3 |
| 2-4 | 10 | 600 10 2-4 |
| 2-4 | 15 | 600 15 2-4 |
| 5-10 | 15 | 600 15 5-10 |
| 5-10 | 20 | 600 20 5-10 |
| 5-10 | 25 | 600 25 5-10 |
| 7-12 | 15 | 600 15 7-12 |
| 7-12 | 20 | 600 20 7-12 |
| 8-15 | 20 | 600 20 8-15 |
| 8-15 | 30 | 600 30 8-15 |
| 10-18 | 20 | 600 20 10-18 |
| 10-18 | 25 | 600 25 10-18 |
| 10-18 | 30 | 600 30 10-18 |

Soltex 600HPE

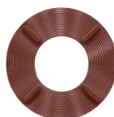
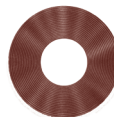
This has been developed for the more demanding application, especially in timber frame construction, where movement within the structure has to be accommodated whilst ensuring that a weathertight seal remains constant. The open cell nature of the product ensures good ventilation preventing moisture build up in the joint whilst still providing the thermal barrier and acoustic performance required. As with the Soltex 600, HPE provides good stability to UV ageing and sealing against driving rain.

Soltex 600HPE Product Selector

| Gap to be filled (mm) | Tape Width (mm) | Product Reference |
|-----------------------|-----------------|-------------------|
| 13 - 24 | 30 | HPE 30 13-24 |
| 13 - 24 | 40 | HPE 40 13-24 |
| 24 - 40 | 40 | HPE 40 24-40 |

Terring - Support / Levelling System

The Terring system consists of flexible supports that are laid beneath the slabs at each abutment. The supports separate the slabs from the surface on which they are laid, spacers, on the upper surface ensure even jointing over the complete paved area.

Terring (Rubber)**Levelling Pad (Rubber)****Terring Caro****Terring (PVC)****Levelling Pad (PVC)****Broken Bond Supprt Pad****Terring Rubber**

120/160mm

Pedestrian

200mm Road Surface

Terring Caro

120/140/160mm

Pedestrian

200mm Road Surface

Terring PVC

120/160mm

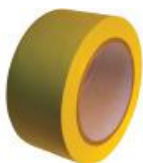
Pedestrian

Terring Support Pad

130 x 70mm Broken Bond

120mm dia. Pedestrian

160mm dia. Pedestrian



Soltape

A specially developed matt finish waterproof pressure-adhesive PVC tape. Available in two grades for use on all types of concrete formwork in climatic conditions ranging from cold to tropical.

| Size |
|-------------|
| 50mm x 33m |
| 75mm x 33m |
| 100mm x 33m |



Silver Cloth Tape (Gaffa)

Vinyl cloth reinforced tape with aggressive adhesive backing. It is waterproof and suitable for use on pipes, ducts and insulation. This tape has very good temperature and UV stability. Can be used inside or outdoors.

| Size |
|-------------|
| 50mm x 50m |
| 75mm x 50m |
| 100mm x 50m |



Low Tack Tape

A low tack - low residue - very lightly creped masking tape for delicate surfaces. Ideal for use on previously painted surfaces where low tape adhesion and minimum surface damage is required.

| Size |
|-------------|
| 50mm x 50m |
| 75mm x 50m |
| 100mm x 50m |



Hazard Tape

Yellow and black hazard marking tape
Durable diagonally striped self-adhesive PVC tape for warning of potentially hazardous areas in the workplace.

| Size |
|------------|
| 50mm x 33m |



Denso Tape / Paste & Mastic

Denso Tape is a cold applied tape which remains plastic over a wide temperature range. It is non-hardening and non-cracking. It is highly resistant to mineral acids, alkalis, salts and micro-organisms and highly impermeable to water, water vapour and gases.

| Sizes |
|---------------------|
| 50mm x 10m |
| 75mm x 10m |
| 100mm x 10m |
| 150mm x 10m |
| Denso Paste - 2.5Kg |
| Denso Mastic - 3Kg |



Denso paste is used in the preparation of metal surfaces prior to the application of Denso tapes.



Denso Mastic filler for Profiling around pipe joints, flanges, fittings, nuts, bolts and other irregular shapes to improve contours for



Utility Warning Tapes

Material – Linear low density polyethylene Lead free pigments with virgin grade film soil tolerance from pH 2.5 to pH 11.0 inclusive 100 micron grade is manufactured in accordance with ENATS 12-23 specification. Brightly coloured to identify the position of buried utilities.

| Size |
|--------------|
| 150mm x 365m |



1 Part Polysulphide Sealant

Arbokol AG1 is a cost effective one part Polysulphide sealant which cures on exposure to moisture vapour to form a firm but flexible rubber seal.

| Technical Data | |
|----------------|------------------------------------------------------------------|
| Size | 380ml Cartridge |
| Colours | Black / Buff / Grey Portland / Rustic / Red / Teak / White |



2 Part Polysulphide Sealant - Gun Grade

Arbokol AG2 is a two part Polysulphide Sealant which cures once the two components are mixed together to give a flexible rubber seal. It has good adhesion to concrete, stone, metals and many other common building substrates.

| Technical Data | |
|----------------|---------------|
| Size | 2.5 Litre Tin |
| Colours | Grey |



2 Part Polysulphide Sealant - Pouring Grade

Arbo AG2 Pouring Grade is a Two-part Polysulphide Sealant, which when the components are mixed together, cures to form a flexible rubber seal. It has good adhesion to concrete, stone, metals and many other common building substrates.

| Technical Data | |
|----------------|---------------|
| Size | 5.0 Litre Tin |
| Colours | Grey |



Polysulphide Primer

Recommended for use in conjunction with Arbokol AG1 & AG2 polysulphide sealants for the priming of asphalt and bituminous surfaces.

| Technical Data | |
|----------------|-----------|
| Size | 500ml Tin |



Polysulphide Cleaner

Arbo Cleaner No.15 is a Ketone based cleaner suitable for the effective cleaning and degreasing of many different construction products and for the removal of old sealant residues.

| Technical Data | |
|----------------|-----------|
| Size | 500ml Tin |



Uraflex 40 Polyurethane Sealant

Uraflex is a high movement elastomeric sealant supplied in 600cc foil containers ready for immediate use. It has been tested for use in contact with drinking water and has excellent adhesion properties when used in conjunction with Primer PU

| Technical Data | |
|----------------|----------------|
| Size | 600cc Sausages |



Pavement Sealant - Coldseal 200-90

Coldseal 200-90 is a two part modified polyurethane cold applied sealant for sealing joints in concrete paved areas, roads, bridge decks, airfield runways and warehouses. It is capable of accommodating above average movement, and severe climatic conditions. It is available in pouring grade only.

| Technical Data | |
|----------------|---------------|
| Size | 4.5 Litre Tin |
| Colours | Black |



Everbuild 200 Contractors Silicone Sealant

Contract grade acetoxycure silicone sealant. For general glazing, weatherproofing, sanitary and gap sealing applications. Quick curing, mould resistant.

Technical Data

| | |
|------|-----------------|
| Size | 295ml Cartridge |
|------|-----------------|



Everbuild 335 Construction Silicone Sealant

335 Construction Silicone is a low modulus reactive cure silicone sealant specially formulated PVCu sealant, which also adheres to many common building substrates.

Tested to ISO 8339 and ISO 10590/10563

Technical Data

| | |
|------|-----------------|
| Size | 295ml Cartridge |
|------|-----------------|



Everbuild 450 Builders Silicone Sealant

450 Builders Silicone is a premium quality low modulus non-corrosive neutral cure silicone sealant that adheres to virtually all substrates, both porous and non-porous. Conforms to ISO 11600 class: F 25LM.

Technical Data

| | |
|------|-----------------|
| Size | 295ml Cartridge |
|------|-----------------|



Everbuild GP Building Mastic

115 GP Building Mastic is a traditional oil based pointing mastic that provides an effective weatherproof seal. Typically used to seal composite sectional panels and low movement vertical building joints.

Technical Data

| | |
|------|-----------------|
| Size | 295ml Cartridge |
|------|-----------------|



Everbuild 145 Butyl Rubber Sealant

145 Butyl Sealant is a traditional permanently plastic one component sealant based on polybutene that provides an effective weatherproof seal in a variety of exterior and interior applications.

Technical Data

| | |
|------|-----------------|
| Size | 295ml Cartridge |
|------|-----------------|



Everbuild 175 Acrylic Sealant

175 Universal Acrylic Sealant is a high quality acrylic sealant that provides a long lasting, permanently flexible seal in a wide variety of applications. Adheres to virtually all substrates.

Technical Data

| | |
|------|-----------------|
| Size | 295ml Cartridge |
|------|-----------------|



Everbuild AC50 Acoustic Sealant & Adhesive

AC50 Acoustic Sealant & Adhesive is a high strength, permanently flexible sealant and adhesive specifically formulated for sealing and bonding plasterboard and other kraft lined insulation boards. Independently tested to BS EN ISO 140/3.

Technical Data

| | |
|------|-----------------|
| Size | 295ml Cartridge |
|------|-----------------|



Everbuild Clear Fix

Clear Fix is a clear hybrid polymer grab adhesive that has the ability to bond just about everything in both interior and exterior applications. With added UV stabilisers to ensure the product doesn't yellow over time. Clear Fix is a versatile product which can be used in almost every application imaginable - even when immersed under water!

Technical Data

| | |
|------|-----------------|
| Size | 295ml Cartridge |
|------|-----------------|

**Soudafoam B2 (Hand Held / Gun)**

Soudafoam B2 with CFC-free propellant is a one-component, self expanding, ready-to-use polyurethane foam with propellants which are completely harmless to the ozone layer and meets the German Fire Class B2 (DIN 4102-Part 1).

Technical Data

| | |
|------|--------------|
| Size | 750ml H/Held |
| | 750ml Gun |

**Soudafoam B3 (Hand Held / Gun)**

Soudafoam 1K B3 with is a one-component, self-expanding, ready to use polyurethane foam with CFC-free propellants, which are completely harmless to the ozone layer.

Technical Data

| | |
|------|--------------|
| Size | 750ml H/Held |
| | 750ml Gun |

**Flexifoam (Gun)**

Soudafoam 1K B3 with is a one-component, self-expanding, ready to use polyurethane foam with CFC-free propellants, which are completely harmless to the ozone layer.

Technical Data

| | |
|------|--------------|
| Size | 750ml H/Held |
| | 750ml Gun |

**Soudafoam FR (Hand Held / Gun)**

Soudafoam FR is a single-component, selfexpanding, ready to use polyurethane foam with propellants which are completely harmless to the ozone layer. It has a fire rating of up to 360 minutes in certain configurations.

Technical Data

| | |
|------|--------------|
| Size | 750ml H/Held |
| | 750ml Gun |

**Gun & Foam Cleaner**

Gun & Foam Cleaner is a ready to use cleaning aerosol can for use on Soudafoam Gun and Soudal foams.

Technical Data

| | |
|------|--------------|
| Size | 500ml H/Held |
|------|--------------|

**Soudaseal 240 FC**

Soudaseal 240 FC is a high quality single component joint sealant with high adhesive strength. It is based on MS-Polymer®, chemically neutral and fully elastic.

Technical Data

| | |
|------|-----------------|
| Size | 310ml Cartridge |
| | 600cc Sausage |

**Soudaflex 40 FC**

Soudaflex 40 FC is a high quality, one component polyurethane sealant with high modulus for a wide range of sealing and bonding applications

Technical Data

| | |
|------|-----------------|
| Size | 310ml Cartridge |
| | 600cc Sausage |



Puraflex K11

Puraflex K11 is a premium quality, one component, low modulus sealant based on hybrid polymer technology. It is designed to replace conventional one part polysulphide sealants in most applications. Permanently flexible to accommodate joint movement and adheres to most surfaces. K11 can be overpainted. Conforms to ISO 11600 class F:25LM.

| Technical Data | |
|----------------|-------------------------------------|
| Size | 310ml Cartridge |
| Colours | Black / Brown / Buff / Grey / White |



Puraflex 40

Puraflex 40 is a premium quality high modulus, PU hybrid sealant and adhesive that provides exceptional resistance to mechanical wear. Typically used in the engineering, caravan and marine industries and for sealing floor joints in ceramic installations that are subject to high traffic. Has excellent chemical resistance, can be overpainted.

| Technical Data | |
|----------------|----------------------|
| Size | 310ml Cartridge |
| Colours | Black / Grey / White |



Puraflex 45

PURAFLEX 45 is a high modulus, one component, polyurethane based sealant and adhesive that remains permanently elastic and has good adhesion to most substrates. It has excellent chemical resistance to solvents when cured and bonds to concrete, wood, metal, aluminium, polyester, glass, uPVC, stone, ceramics, etc.

| Technical Data | |
|----------------|---------------|
| Size | 600ml Sausage |
| Colours | Grey |



Fire Mate Intumescent Sealant (4hr)

Fire Mate Sealant is an intumescent acrylic sealant that swells when exposed to temperatures in excess of 125°C to prevent the passage of fire and smoke and has a fire rating of up to 4 hours in certain joint configurations.

| Technical Data | |
|----------------|----------------------|
| Size | 310ml Cartridge |
| Colours | Brown / Grey / White |

Fire rated to BS 476 Part 20/EN1366-4 (2006).

Acoustic rates to BS EN ISO 140/3.

Tested for air permeability to EN13141-1.

**Pinkgrip**

Pinkgrip will stick just about anything on a building site that needs sticking. Its amazing grabbing strength not only removes the need to pin under the workpiece to prevent slumping, but its revolutionary initial 'Direct Bond' eliminates the need for double stick methods. Pinkgrip can be used inside and outside and adheres to just about every building substrate

Technical Data

| | |
|------|-----------------|
| Size | 350ml Cartridge |
|------|-----------------|

**Pinkgrip SF**

Pinkgrip SF is a radically new direct bond adhesive with all the legendary grabbing performance of original Pinkgrip but in a solvent free formula. Also available in White.

Technical Data

| | |
|--------|-----------------|
| Size | 350ml Cartridge |
| Colour | Pink / White |

**Everbuild Clear Fix**

Clear Fix is a clear hybrid polymer grab adhesive that has the ability to bond just about everything in both interior and exterior applications. With added UV stabilisers to ensure the product doesn't yellow over time. Clear Fix is a versatile product which can be used in almost every application imaginable - even when immersed under water!

Technical Data

| | |
|------|-----------------|
| Size | 295ml Cartridge |
|------|-----------------|

**Stick 2 - All Purpose Clear Adhesive**

Stick 2 All Purpose Clear Adhesive is a strong, clear, quick drying adhesive suitable for a variety of household repairs and hobbies. Will stick ceramic, porcelain, wood, card, paper, most plastics, leather, cork, linoleum, rubber, stone, glass, metals and dense fabrics. 5 minutes repositionable

Technical Data

| | |
|------|-----------|
| Size | 30ml Tube |
|------|-----------|

**Contact Adhesive**

All Purpose Contact Adhesive is a premium grade rubber based contact adhesive suitable for use with a wide variety of materials. The product may be used internally and externally (apart from the 5L size which is for internal use only) for bonding decorative laminates, all types of wood, rigid PVC, ABS, leather, cork, linoleum, rubber, stone, metals and dense fabrics.

Technical Data

| | |
|------|-------------------------------------|
| Size | 500ml / 750ml 1 litre & 5 Litres |
|------|-------------------------------------|

**Spray Contact Adhesive**

Stick 2 Spray Contact Adhesive is a sprayable glue which bonds to most common materials including wood, concrete, stone, tiles, rubber, foam, metals, rigid plastics, polyethylene, canvas fabrics, cardboard, paper and cork. Ideal for securing most carpets/floor coverings. Suitable for internal and external use, giving permanent or temporary adhesion.

Technical Data

| | |
|------|-----------|
| Size | 500ml Can |
|------|-----------|



Solsafe Environment Product Range

Solease WB - Formwork Release Agent



Solease WB uses the latest water soluble polymer technology to produce a stable, environmentally friendly and highly efficient release agent for concrete form work on site. Solease WB is particularly suited to outdoor use on faced plywood and other impervious formwork materials.

Solease WB should be used where a high quality finish to cast concrete is required.

| Technical Data | |
|----------------|------------------------------|
| Form | White Liquid |
| Pack Sizes | 25, 210 & 1000 Litres |
| Coverage | 30-50 m ² / Litre |

Solcure Standard WB - Medium Efficiency Concrete Curing Compound



Solcure Standard WB is a spray-on temporary membrane to retain moisture in freshly placed concrete. It is formulated to prevent evaporation of the gauging water and provides an economical and efficient method for curing concrete.

Solcure Standard WB has an alkali reactive emulsion breaking system this system ensures that the emulsion breaks down to form a non-penetrating continuous film immediately upon contact with cementitious surfaces.

| Technical Data | |
|----------------|----------------------------|
| Form | White Liquid |
| Pack Sizes | 25, 210 Litres |
| Coverage | 4-6 m ² / Litre |

Solcure Super WB - High Efficiency Concrete Curing Compound.



Solcure Super WB is a spray-on temporary membrane to retain moisture in freshly placed concrete. It is formulated to prevent evaporation of the gauging water and provides an economical and efficient method for curing concrete.

Solcure Super WB has an alkali reactive emulsion breaking system. This system ensures that the emulsion breaks down to form a non-penetrating continuous film immediately upon contact with cementitious surfaces.

| Technical Data | |
|----------------|----------------------------------------|
| Form | White Liquid |
| Pack Sizes | 25, 210 Litres |
| Coverage | 4-6 m ² / Litre |
| Type | Conforms to ASTM C309-1 Type 1 Class A |

Solcure Sealer WB - Concrete Curing & Sealing compound.



Solcure Sealer is a water based, low odour, membrane forming liquid for curing, sealing and dust-proofing concrete. Solcure Sealer is suitable for use over new and old concrete.

After application and drying, the film is clear with a slight glossy appearance. Heavy applications or prolonged exposure to moisture will cause the cured film to have a milky appearance. On drying it will become clear again

| Technical Data | |
|----------------|----------------------------------------|
| Form | White Liquid |
| Pack Sizes | 25, 210 Litres |
| Coverage | 5-7 m ² / Litre |
| Type | Conforms to ASTM C309-1 Type 1 Class A |



Solsafe Environment Product Range

Soltard MF - Formwork Surface Retarder



Soltard MF is a transparent aqueous composition with a gel consistency colour tinted to assist application. It has been formulated to retard the set of fresh concrete that comes into contact with it. It is ideally suited to the production of exposed aggregate finishes or 'keyed' surfaces for construction joints or for subsequent application of plasters or renders. It is coloured to give a visual indication of where it has been applied.

| Technical Data | |
|----------------|----------------------------|
| Form | Blue Gel |
| Pack Sizes | 25 Litres |
| Coverage | 3-4 m ² / Litre |

Soltard TF - Formwork Surface Retarder



Soltard TF is an aqueous liquid suitable for either spray or watering can application. It retards the set of the surface cement matrix of freshly cast concrete for easy removal. Its typical uses are:

- To expose natural colour and texture of the coarse aggregate.
- To produce a keyed surface for efficient bonding of subsequent toppings.
- To provide a non-slip surface on pavings.

| Technical Data | |
|----------------|--------------------------|
| Form | Light Blue Liquid |
| Pack Sizes | 25, 210 Litres |
| Coverage | 5 m ² / Litre |

Soltuf - Concrete Surface Hardener



The application of Soltuf to an existing cement-bound floor will significantly improve the life of both old and new floors. It not only considerably reduces floor maintenance and subsequent cleaning costs, but also reduces dust hazard to both health and machinery. Applying Soltuf is quick and easy.

Soltuf is used for hardening and dustproofing concrete floors. Soltuf is suitable for use over new & old concrete.

| Technical Data | |
|----------------|--------------------------|
| Form | Clear Liquid |
| Pack Sizes | 25, 210 Litres |
| Coverage | 6 m ² / Litre |

Solfloorseal - Surface Sealer and Water Repellent



Solfloorseal provides clear, water repellent protection to exterior surfaces. It also binds together surface particles producing a toughened self cleaning finish. It is a blend of methacrylate and reactive silicone resins in a light hydrocarbon solvent.

Typical applications include:
Concrete blockwork, Brickwork,
Natural stone, Block paving

| Technical Data | |
|----------------|--------------------------------------------------------------------------------|
| Form | Clear Liquid |
| Pack Sizes | 25, 210 Litres |
| Coverage | 6m ² per Litre mist coat, 3-4m ² per litre flood coat |



Solform Formwork Treatment Products

Sollease Premium - Concrete Chemical Release Agent



Sollease Premium is a chemical release agent for use on formwork and moulds to provide easy release and superior concrete surface finish. It is a blend of reactive oils in a partially evaporative hydrocarbon carrier leaving the remainder of the carrier to form a positive barrier between the form face and the concrete.

| Technical Data | |
|----------------|------------------------------|
| Form | Amber Liquid |
| Pack Sizes | 5, 25, & 210 Litres |
| Coverage | 30-50 m ² / Litre |

Solstrip - Formwork Mould Oil (BCA Category 2)



Solstrip is a blend of a heavy oil, a solvent diluents and surfactants. The diluent ensures the material is easily sprayable during application after which it evaporates to leave the oil on the form face to act as a barrier between it and the concrete and the surfactants help to minimise the incidence of surface blow-holes.

| Technical Data | |
|----------------|------------------------------|
| Form | Amber Liquid |
| Pack Sizes | 5, 25 & 210 Litres |
| Coverage | 30-40 m ² / Litre |

Solstrike - Concrete Mould Release Oil (BCA Category 2)



Solstrike is a high quality mould oil for general site & precast yard use that achieves a top quality concrete finish in most situations.

Release is achieved by the oil forming a physical barrier between the formwork surface and the concrete. Surfactants help to eliminate blowholes and provide a clean uniform and non-stained surface.

| Technical Data | |
|----------------|------------------------------|
| Form | Amber Liquid |
| Pack Sizes | 5, 25 & 210 Litres |
| Coverage | 30-40 m ² / Litre |

Solform Wax - Wax Based Sealer & Release Agent



Solform Wax has been specifically developed for the initial sealing of porous formwork and for use as a release agent on various types of impervious formwork materials where the use of a liquid product is not practical. It is a blend of crystalline waxes in a hydrocarbon base that has a fugitive dye as an aid to monitoring areas of application.

| Technical Data | |
|----------------|-------------------------|
| Form | White Wax |
| Pack Sizes | 20 Kg Pail |
| Coverage | 4-6 m ² / Kg |

Solcast DS - Concrete Chemical Release Agent (BCA Category 5)



Solcast DS is a chemical release agent specifically formulated to give easy release of formwork and high quality surface finishes to concrete.

Solcast DS is a non-hazardous release agent specifically formulated to give easy release of formwork and high quality surface finishes on ABS and Thermoplastic moulds.

| Technical Data | |
|----------------|------------------------------|
| Form | Pale Yellow Liquid |
| Pack Sizes | 5, 25 & 210 Litres |
| Coverage | 25-60 m ² / Litre |



Solbond Adhesives / Admixtures & Cleaning

Solbond PVA - Surface Adhesive, Primer, Sealer & Admixture



Solbond PVA is a medium viscosity, polyvinyl alcohol stabilised, externally plasticised, vinyl acetate homopolymer. Contains no harmful phthalates. It has been designed specifically as a general purpose bonding agent, and additive for concrete and plasters and as a multi-use adhesive. Solbond PVA meets the bond strength requirements of BS5270.

Technical Data

| | |
|-------|---------------------|
| Sizes | 5, 25, & 210 Litres |
|-------|---------------------|

Solbond SBR - Waterproofing & Bonding Admixture



SOLBOND SBR is a styrene-butadiene co-polymer latex specifically designed for use with cementitious mixes.

It is used in mortar and concrete as an admixture to increase water and abrasion resistance and durability. It is used with cement as a reliable water resistant bonding agent.

Technical Data

| | |
|-------|---------------------|
| Sizes | 5, 25, & 210 Litres |
|-------|---------------------|

Sol-debond - Bituminous Dowel Bar Paint



Sol-debond is a bituminous solution designed to provide a thick film on dowel bars. Once dry and the concrete cast, movement is achieved between the bar and the surrounding concrete.

Sol-debond meets the performance requirements of Clause 2605 of the D.O.E. Specification for Roads and Bridge Works 1969 Clause 109.

Technical Data

| | |
|-------|---------------|
| Sizes | 5 & 25 Litres |
|-------|---------------|

Solklen - Resin Cleaning Solvent



Solklen is a specially formulated solvent for cleaning resin products from tools and equipment before the resin has hardened, and for removing any residual release agent from formwork.

Technical Data

| | |
|-------|---------------|
| Sizes | 5 & 25 Litres |
|-------|---------------|

Sol-Dissolver - Polystyrene Dissolver



Sol-Dissolver is a specially formulated solvent developed to safely dissolve away and emulsify unwanted expanded polystyrene bolt boxes, void formers and inserts.

Technical Data

| | |
|-------|---------------|
| Sizes | 5 & 25 Litres |
|-------|---------------|

Solclean - Brick Cleaner



Solclean is a blend of inorganic acids for the removal of mortar splashes from brickwork and rust from a wide range of surfaces

Technical Data

| | |
|-------|-----------|
| Sizes | 25 Litres |
|-------|-----------|

Solwash - Sprayer Cleaner



Cleaner for sprayers used with Solcure range of concrete chemicals.

High efficiency solvent for cleaning sprayers used for the application of resin based curing agents

Technical Data

| | |
|-------|---------------|
| Sizes | 5 & 25 Litres |
|-------|---------------|



Solcure Surface Treatment Products

Solcure WW & WWT - Concrete Curing Compound



Solcure WW locks in moisture into freshly cast concrete surfaces to prevent premature drying out with water retention equivalent to 75% efficiency. Solcure WW reduces the risks of surface cracking and dusting, and the tinted version allows areas to be easily identified.

The dye breaks down on exposure to UV light and will not permanently discolour the concrete. Solcure WWT is identical other than it contains a blue dye to ease in identification and application.

| Technical Data | |
|----------------|----------------------------|
| Form | Clear / Light Blue Liquid |
| Sizes | 25, & 210 Litres |
| Coverage | 5-6 m ² / Litre |

Solcure Standard - 75% Efficient Concrete Curing Compound



Solcure Standard physically "locks" moisture into freshly cast concrete surfaces to allow full hydration of the cement thus allowing the concrete to fully "cure". It does this by covering the surface of the concrete with a resin film that prevents moisture from leaving the surface.

Solcure Standard and its variants should not be used where bonding of any renders screeds or coatings is required, in these situations use Solcure WW or Solcure WWT.

| Technical Data | |
|----------------|----------------------------|
| Form | Colourless Liquid |
| Sizes | 25, & 210 Litres |
| Coverage | 5.5 m ² / Litre |

Solcure Sealer - Concrete Curing & Sealing Compound (conforms to ASTM. C309)



A clear acrylic polymer resin solution primarily for application to surfaces of freshly laid concrete. Initially Solcure Sealer will form a highly effective curing membrane that conforms to ASTM. C309 and secondly will act as an in-depth sealer for the hardened concrete rendering its surface dustproof and extremely hard wearing.

Solcure Sealer can also be applied to existing concrete surfaces

| Technical Data | |
|----------------|--------------------------|
| Form | Light Amber Liquid |
| Sizes | 25, & 210 Litres |
| Coverage | 5 m ² / Litre |

Solcure Sealer PF - Concrete Curing & Sealing Compound Power Floated Floors (conforms to ASTM. C309)



A clear acrylic polymer resin solution primarily for application to surfaces of freshly laid concrete concrete floors that have been power float finished.

Initially Solcure Sealer PF will form a highly effective curing membrane that conforms to ASTM. C309 and secondly will act as an in-depth sealer for the hardened concrete rendering its surface dustproof and extremely hard wearing.

| Technical Data | |
|----------------|---------------------------|
| Form | Light Amber Liquid |
| Sizes | 25, & 210 Litres |
| Coverage | 12 m ² / Litre |



Solcure Surface Treatment Products

Solcure Super - 90% Efficient Concrete Curing Compound



Solcure Super physically "locks" moisture into freshly cast concrete surfaces to allow full hydration of the cement thus allowing the concrete to fully "cure". It does this by covering the surface of the concrete with a resin film that prevents moisture from leaving the surface.

Solcure Super and its variants should not be used where bonding of any renders screeds or coatings is required, in these situations use Solcure WW or Solcure WWT.

| Technical Data | |
|----------------|----------------------------|
| Form | Clear / Light Blue Liquid |
| Sizes | 25, & 210 Litres |
| Coverage | 5.5 m ² / Litre |

Solcure Super AL - 90% Efficient Concrete Curing Compound



Solcure Super AL physically "locks" moisture into freshly cast concrete surfaces to allow full hydration of the cement thus allowing the concrete to fully "cure". The resin film prevents moisture from leaving the surface. In accordance with the requirements of Clause 1027 of the DoT specification for Highway Works.

Solcure Super AL contains aluminium flake which when sprayed on the concrete surface produces a metallic "mirror" surface to reflect away solar heat, this is particularly advantageous on large expanses of concrete such as airport runways and concrete roadways.

| Technical Data | |
|----------------|-------------------|
| Form | Colourless Liquid |
| Sizes | 25, & 210 Litres |

Solcure Extra AC3 - Concrete Curing, Sealing & Dustproofing Liquid



Solcure Extra AC3 is a specially formulated clear acrylic resin polymer compound designed specifically for the initial curing of freshly placed concrete, combined with the added benefits of sealing, hardening and Dustproofing the concrete surfaces.

Solcure Extra AC3 is a partially penetrative material which provides a permanent, non-degrading protection to the concrete surface. The acrylic film formed is UV stable and once cured provides a durable elastic coating.

| Technical Data | |
|----------------|-------------------------------|
| Form | Colourless Liquid |
| Sizes | 25, & 210 Litres |
| Coverage | 5 - 14 m ² / Litre |



Feb Products

Febmix Admix



Febmix Admix is the Original vinsol resin air entraining plasticiser that replaces lime in the mix to provide an easy to work "butter like" consistency to the mortar and to prevent shrinkage, cracking and crazing during the setting process. For use in brick laying and plastering mortars. Provides a degree of frost resistance and long term resistance to freeze-thaw cycles when set.

Conforms fully with the requirements of BS EN 934-3:2009.

| Technical Data | |
|----------------|---------------------|
| Form | Brown Liquid |
| Sizes | 5, 25, & 205 Litres |

Febmix Plus



Febmix Plus is a liquid ultra stable synthetic air entraining mortar plasticiser designed to enhance the workability and freeze thaw resistance of brick and block laying mortars. It may be used to replace or supplement the use of lime, and is designed to maintain efficiency with variations in cement and aggregate sources.

Conforms to BS EN 934-3:2009 specification for air entraining (plasticising) mortar admixtures

| Technical Data | |
|----------------|---------------------|
| Form | Red Liquid |
| Sizes | 5, 25, & 205 Litres |

Febmix DH



Febmix DH is a powder mortar plasticiser in a hand sachet pack form for use as an alternative to lime or as a supplement to lime to aid mortar workability in both brick laying and rendering applications.

Improves frost resistance and reduces efflorescence.

Complies with EN934-3: 2009.

| Technical Data | |
|----------------|-------------------|
| Form | Brown powder |
| Sizes | 250 x 15g Sachets |

Febtone Powder & Liquid



Febtone Powder & liquid are admixture sfor permanently colouring all types of mortars, rendering, concrete and pointing, combined also with an air entraining plasticiser.

Ideal for use with Feb roofing and brick pointing mortars.

Pigments comply with the requirements of BS 1014

| Technical Data | |
|----------------|----------------------------|
| Form | Black / Brown / Red powder |
| Sizes | 1Kg Tin |

Geo-fix



Geo-Fix is acknowledged as the original and still the best Paving Jointing Compound. It is available ready to use and is air cured for pointing all types and sizes of paving, flags, slabs, cobbles and stone setts. Geo-fix is simply brushed into joints and sets hard - stops weeds and will not crack or wash out. Geo-Fix is available in 20 & 15KG tubs as well as a brand new 7.5KG boxed size.

| Technical Data | |
|----------------|--------------------|
| Form | Buff / Grey powder |
| Sizes | 20Kg Tub |





| | |
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Cementitious Repair Products



| Product | Description | Pack Size | Yield |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------------------------------------------|
| Solplug | Solplug is a pre-blended cementitious wall tie sealing compound. The plastic shrinkage characteristics are low and the set compound affords a high level of resistance to sulphate and other chemical attack when fully cured. | 8Kg Tub | The approximate yield of set compound per tonne of dry powder is 0.63m ³ . |
| Solpatch | A cementitious powder compound with the inclusion of a polymer to promote adhesion and resistance to the passage of water, and a water reducing agent to facilitate a low water cement ratio. | 8Kg & 25kg | 8Kg yields 1m ² at 4mm thickness |
| Solcem Epoxy Repair Mortar | Solcem Epoxy Repair Mortar is a high strength, trowel applied, three component epoxy resin-based mortar designed for rapid and permanent repairs to concrete and masonry surfaces. | 12Kg | A 12 kg pack yields 6 litres of Solcem Epoxy Repair Mortar, sufficient for approx. 1.08m ² at 5mm thickness. |
| Soltank super | Soltank Super forms an extremely durable waterproof coating for concrete and masonry which is easily applied. Available in grey or white. Approved by WRAS (Water Regulations Advisory Scheme) for Potable Water applications. | 20Kg | 2 Layers require approximately 3kg powder /m ² depending on substrate. |
| Solcrackseal EPR | Epoxy resin crack repair bond. Penetrating, low viscosity, free flowing epoxy fluid, with excellent bond to damp and dry concrete | 2 / 10kg Tin | 1 litre per Kg |



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Construction Grouts

Independently by a UKAS Laboratory for Compliance to D.o.T. Highways Agency Spec. 2601 for "Bedding Mortars".



| Product | Description | Pack Size | Yield |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------|
| Construction Grout GP | <p>General Purpose Construction Grout is a non shrink, high strength cementitious grout.</p> <p>The grout has been specifically designed for anchor or base plate grouting, under machinery and stanchion plates, grouting rails and bridge bearings, fixing bolts, parapet rails etc. It can also be used in its plastic state as a bedding mortar.</p> | 25Kg Bag | To produce 1m ³ of set grout is 1.65 tonnes. This equates to 15.2 litres per 25kg of dry powder |
| Construction Grout HF | <p>High Flow Construction Grout is a non shrink, high strength cementitious grout.</p> <p>The grout has been specifically designed to provide a high strength fluid grout for pouring into and under stanchion plates, machine base plates, parapet rails, for supporting bridge bearings and for filling ducts in post tensioned and pre-stressed structures.</p> | 20kg Bag | To produce 1m ³ of set grout is 1.64 tonnes. This equates to 12.2 litres per 20kg of dry powder |
| Construction Grout Ultra High Strength | <p>Ultra High Strength Construction Grout is a non shrink, very high strength cementitious grout.</p> <p>Ultra High Strength Construction Grout has been specifically designed to provide a high strength fluid grout for pouring into and under stanchion plates, machine base plates, parapet rails, for supporting bridge bearings and for filling ducts in post tensioned and pre-stressed structures</p> | 20Kg | To produce 1m ³ of set grout is 1.74 tonnes. This equates to 11.5 litres per 20kg of dry powder |
| High Strength Expansive Construction Grout | <p>High Strength Expansive Construction Grout is a factory blended non shrink cementitious grout having good pumping, rapid strength development and early gel time characteristics.</p> <p>The grout is used for grouting of temporary pre-stressing ducts and other similar voids in precast structures where high strength is required.</p> | 20Kg | To produce 1m ³ of set grout is 1.6 tonnes. This equates to 15.6 litres per 25kg of dry powder |



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Concrete Repair

Mortar Range complies with BS EN 1504 for both structural and non-structural repairs.



| Product | Description | Pack Size | Yield |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Rapid Set Repair Mortar | Fast-setting emergency patching mortar for concrete pavements and floors | 25Kg Bag | 13.5 litres per 25kg of dry powder |
| High Build Mortar | High Build Mortar is designed for the rapid reinstatement of both vertical and overhead repairs to concrete. | 25kg Bag | 21.4 litres per 25kg of dry powder |
| Fairing Coat Mortar | Fairing Coat Mortar is designed for application to concrete surfaces which are to receive a compatible protective coating. | 25Kg | 15.75 litres per 25kg of dry powder |
| Flowing Repair Concrete | Flowing Repair Concrete can be used in the repair of highway structures. Compliant to D.o.T. Highways Agency Spec BD27/86. Vol.3, Sect 3, Chapter 4 Clause 4.6. | 25Kg | 13.0 litres per 25kg of dry powder |
| Cemrok 50 Standard | Cemrok 50 Standard Sprayed Concrete is designed for general dry spraying applications where a moderate insitu strength is required. Examples of use would include rock face and mine working stabilisation, tunnel repairs and steel protection, general refurbishment and architectural profiling. | 25Kg | The approximate yield of dry powder is 0.50m ³ . To produce 1m ³ of finished repair material is 2.00 tonnes |
| High Performance Repair Mortar | High Performance Repair Mortar can be used in the repair of highway structures, i.e bridge columns, deck soffits, beams, abutments, parapets and retaining walls. Also in marine structures, viaducts and RC framed buildings. | 25Kg | 14.7 litres per 25kg of dry powder |
| Easy Patch Mortar | Easy Patch Mortar is a rapid set structural repair mortar for either machine or hand applications. | 25Kg | 13.5 litres per 25kg of dry powder |
| Concrete Repair Primer | Acrylic Primer benefits the bonding of Pozament Concrete Repair Mortars or other cement based materials to a variety of substrates | 2.5 Litres & 15 Litres | 0.15 litres / m ² . |



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Flooring Products



| Product | Description | Pack Size | Coverage |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------|
| Cemscreed | Cemscreed is used to produce bonded, unbonded and floating screeds in internal situations where early foot traffic and quicker drying is required. | 20Kg | 40mm Screed 1.1m ² - 1.5m ² per 20Kg Bag |
| Cemscreed 5 | Cemscreed 5 is used to produce bonded, unbonded and floating screeds in internal situations where early foot traffic and quick drying is required | 20kg | 25mm Screed 1.8m ² - 2.4m ² per 20Kg Bag |
| Fastscreed | Fastscreed can be used to produce either bonded screeds, unbonded screeds laid onto a Damp Proof Membrane (DPM), or floating screeds. Bay divisions and expansion joints should be incorporated as for standard sand/cement screeds. | 20Kg | 55-65 litres per 20kg of dry powder |
| Cembed | Cembed is a pre-blended shrink compensated mortar specifically designed to be used to bed pre-cast concrete wall segment panels in building construction. | 25Kg | 12.7 litres per 25kg of dry powder |
| Hi-Flow Tuf-top | Hi-Flow Tuf-Top is ideal where heavy industrial traffic is to be utilised and for warehouse racking aisles. Hi-Flow Tuf-Top is suitable for use as the wearing surface or can receive resin coatings | 25Kg | 1m ² at 10mm thickness will require 16.2kg of dry powder |
| Hi-Flow Renovation | Hi-Flow Renovation is used at thicknesses from 5mm to 50mm as an economic means of renovating existing interior floors prior to the installation of floor coverings. | 25Kg | 1m ² at 10mm thickness will require 16.2kg of dry powder |
| Hi-Flow Commercial | When laid at thicknesses from 3mm to 20mm Hi-Flow Commercial is suitable for use in commercial buildings where the need is for a smooth surface which can readily receive overlayment materials e.g. vinyl or carpet coverings. | 25Kg | 1m ² at 10mm thickness will require 16.2kg of dry powder |
| Supacote | Supacote is used to level uneven but sound floors and screeds prior to laying tiles, lino, carpets etc. Supacote is not suitable for external use or as a wearing surface | 25Kg | 1m ² at 1mm thickness will require 1.7kg of dry powder |



Concrete Repair Products



| Product | Description | Pack Size | Coverage |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------|
| Mapefill | High-flow shrink-free grout for anchors | 12.5 Litres | 1.95kg per Litre |
| Mapeigrout HiFlow | Controlled-shrinkage fibre-reinforced fluid grout for concrete repair | 25kg Bag | 20 kg/m ² per cm of thickness |
| Mapefer 1K | One-component, anti-corrosion cementitious mortar for steel reinforcement rods. | 20kg Tub 4 x 5kg Bags | 100 g/m for 8 mm diameter rebar |
| Planicrete | Synthetic-rubber latex additive for interior and exterior cement mixes, to improve mechanical and adhesive characteristics | 20 / 10 / 5kg Drums | depends on mortar mix and thickness |
| Planitop Smooth & Repair | Quick setting, fibre-reinforced shrinkage compensated thixotropic cementitious mortar for smoothing and repairing concrete. | 25Kg Bag or 4 x 5Kg packets | 15 kg/m ² per cm of thickness |
| Mapegrout T40 | Medium strength (40 MPa) thixotropic mortar for the repair of concrete. Repairs up to 30-35 mm thick. | 25kg Bag | 18.5 kg/m ² per cm of thickness |
| Mapegrout T60 | Sulphate-resistant thixotropic fibre reinforced mortar for the repair of concrete. Repairs up to 40 mm thick | 25kg Bag | 18.5 kg/m ² per cm of thickness |
| Mapegrout Thixotropic | Controlled-shrinkage fibre-reinforced grout for the repair of concrete. Repairs up to 30-35 mm thick | 25kg Bag | 19 kg/m ² per cm of thickness |
| Eporip | Two-component epoxy material for bonding new to old concrete and for sealing of cracks in screeds | 2 / 10kg Tins | 0.5 - 2 kg/m ² |
| Eporip Turbo | Two component polyester resin for sealing cracks in screeds and small reparations. | 508g Tub / Tube | Part A = 500g Part B = 8g |
| Adesilex PG4 | Two-component, thixotropic, epoxy adhesive | 6kg (1.5kg + 4.5kg) 30kg (22.5kg + 7.5kg) | 1.55kg / m ² per mm of thickness |
| Adesilex PG2 | Adesilex PG2 is a two-component epoxy resin based product with special hardeners, selected fine aggregate and special additives. | 6 kg (A+B) units | 1.6 kg/m ² per mm of thickness |



Concrete Repair Products



| Product | Description | Pack Size | Coverage |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Epojet | Superfluid epoxy resin for injection. Epojet is used for monolithic repair of structures which have cracked due to overloading or impact. | 4 kg (A+B) 2.5 kg (A+B) | sealing of cracks: 1.1 kg/litre concrete-steel: 1.1 kg/m ² per mm of thickness |
| Epojet LV | Two component low viscosity epoxy resin for injection. Epojet LV is used for bonding and structural strengthening of concrete and masonry elements by low pressure / atmosphere pressure injection. | 5 kg (A+B) 2.5 kg (A+B) | sealing of cracks: 1.1 kg/litre concrete-steel: 1.1 kg/m ² per mm of thickness |
| Mapecem | Special fast setting hydraulic binder for the preparation of fast-drying screeds with controlled shrinkage | 20kg Bag | 3.5-4.5 kg/m ² per 10mm of thickness |
| Mapecem Pronto | Pre-blended, ready to use, fast-setting and drying hydraulic binder for shrinkage compensated screeds. Foot traffic after 2-3 Hours dry after 24 Hours. | 20kg Bag | 20 kg/m ² per 10mm of thickness |
| Topcem | Normal setting special hydraulic binder with rapid drying (4-7 days). | 20kg Bag | 2-2.5 kg/m ² per cm of thickness |
| Topcem Pronto | Ready to use, pre-blended, normal-setting mortar with controlled shrinkage for fast-drying screeds (4 days). | 25kg Bag | 18-20 kg/m ² per cm of thickness |
| Planicrete | Synthetic-rubber latex additive for interior and exterior cement mixes, to improve mechanical and adhesive characteristics | 20 / 10 / 5kg Drums | Coverage depends on mortar mix |
| Ultraplan Eco | Water-based ultra-fast hardening self-levelling compound for thicknesses from 1 to 10 mm per coat. | 23kg Bag | 1.6 kg/m ² per mm of thickness |
| Ultraplan Maxi | Water-based ultra-fast hardening self-levelling compound for thicknesses from 3 to 30 mm per coat | 25kg Bag | 1.6 kg/m ² per mm of thickness |
| Latexplan | Two-part levelling and smoothing component, consisting of special cements and a syntetic rubber latex. For interior levelling of differences in thickness up to 10 mm | 30Kg units (25 Kg Powder 5 litre bottle) | 6m ² at 3 mm thickness |



Concrete Repair Products



| Product | Description | Pack Size | Coverage |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------|
| Planitop 200 | Water-repellent cementitious skimming mortar with a fine-textured, natural finish for concrete and plastic, glass and porcelain coverings. | 25Kg | 1.3 kg/m ² per mm of thickness |
| Mapelastix | Two-component, flexible, cementitious mortar for waterproofing concrete, balconies, terraces, bathrooms, showers, wet rooms and swimming pools. Can be spray, brush or trowel applied. | 24 kg Bag (A) 8 kg Drum (B) | 1.7 kg/m ² per mm of thickness |
| Monofinish | Single-component cement based mortar with normal setting for smoothing concrete. Monofinish is recommended for smoothing surface imperfections of concrete pours and smoothing the surface of concrete repaired with Mapegrout mortars | 22Kg | 1.4 kg/m ² per mm of thickness |
| Lamposilex | Ultra fast setting and drying hydraulic binder for plugging water leaks. Use Lamposilex to plug any source of water, even under pressure, in basements, tunnels, subways etc. and for sealing watertight rigid joints in hydraulic concrete structures, sewers, tanks and canals. | 5Kg Drum | 1.8 kg per litre of cavity to be filled |
| Mapeband TPE 170 | Alkali-resistant rubber tape with textile backing/edges. For use with cementitious waterproofing systems and liquid membranes. For the flexible waterproofing of angles / junctions expansion joints to be treated with MAPELASTIC | 50m x 120mm Rolls | N/A |
| Mapecoat I24 | Epoxy paint for acid-resistant non-toxic coating of concrete surfaces. Mapecoat I24 is used to coat concrete surfaces designed for contact with food products. Mapecoat I24 is especially recommended for coating reservoirs built to contain drinking water. | 5 kg (4kg +1kg). | 400-600 g/m ² per coat depending on the type of substrate |
| Antipluvioil | Silicone water-repellent in water solution for exterior walls. | 5 / 25 kg | 100-150 g/m ² |



Concrete Repair Products



| Product | Description | Pack Size | Coverage |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------|
| Monomix | Low density waterproof mortar for general purpose, structural repairs. Class R3 (EN1504-3, DWI 31, BBA, WRAS) | 25Kg | 16.5 litres 60.5 packs per m ³ |
| Monomix HD | High strength, structural repair mortar with good abrasion resistance for trafficked areas. Class R4 (EN1504-3) | 25Kg | 13.1 litres 76.3 packs per m ³ |
| Monolite | Monolite is a lightweight, high build, shrinkage compensated, polymer modified mortar for the repair, rendering and profiling of concrete, brick or stone substrates. Class R2 (EN1504-3) | 25kg | 16.7 litres 59.9 packs per m ³ |
| Fastfill | Fastfill is a rapid setting, Portland cement-based structural mortar for the durable repair of concrete which cannot be taken out of service for long periods, or in areas subjected to heavy wear. Class R4 Rapid Setting Structural Repair Mortar (EN1504-03, DWI31, WRAS, BBA) | 25Kg | 13.3 litres 75 packs per m ³ |
| Monolevel 844SP | Monolevel 844SP is a fully waterproof, engineering quality fairing coat for filling minor blow holes and defects, and for repairing surface cavities and honeycombed concrete. Class R4 Waterproof Screed & Pore Filler (EN1504-3, DWI 31, WRAS) | 25kg | 15 litres 66.5 packs per m ³ |
| Monolevel FC | Monolevel FC is an engineering quality fairing coat for filling minor blow holes and defects, and for repairing surface imperfections Class R2 Fairing Coat (EN1504-3, DWI 31, WRAS) | 25Kg | 15.5 litres 64.5 packs per m ³ |
| Cementitious Coating 851 | Cementitious Coating 851 is designed for internal and external structural waterproofing of concrete and other mineral substrates. (EN1504-2, DWI 31, BBA, WRAS) | 25Kg | 16.67 litres per 30kg |
| Cemprotec Elastic | Cemprotec Elastic is an elastomeric, cementitious modified, polymer-rich coating which maintains its flexibility under permanent immersion and when exposed externally. (EN1504-2, WRAS) | 25Kg | 9.4 litres per 15kg 4.7m ² /15kg @ 2mm |
| Monodex Ultra | High performance decorative, anticarbonation masonry coating. 10 YEAR SYSTEM (EN1504-2) | 25Kg | 0.2 litres/m ² / coat |
| Monodex Smooth | High build, decorative anti-carbonation coating, which allows damp substrates to breathe. 15 YEAR SYSTEM (EN1504-2) | 25Kg | 0.2 litres/m ² / coat |
| Monorub | Fine grade polymer modified mortar for filling blow holes to produce a smooth finish. Class R1 (EN1504-3) | 25Kg | 14 litres 71 packs per m ³ |



Concrete Repair Products



| Product | Description | Pack Size | Coverage |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------|
| Monotop 610 | Sika MonoTop -610 is a one component cementitious, polymer modified primer for reinforcement protection and also a bonding bridge for MonoTop concrete repair mortars (DWI Approved) | 25Kg | 2.0 kg/m ² per coat |
| Monotop 612 | Sika® MonoTop-612 is a cement-based, one component low permeability repair microconcrete, containing silica fume and polymer, meeting the requirements of Class R4 of BS EN 1504-3. (DWI Approved) | 25Kg | 2.11 kg/m ² /mm. |
| Monotop 615 | Sika® MonoTop-615 is a one component cement based polymer modified high build repair and reprofiling mortar, meeting the requirements of Class R3 of BS EN 1504-3. (DWI Approved) | 25Kg | 1.65 kg/m ² /mm. |
| Monotop 620 | Sika MonoTop-620 is a one component cementitious polymer modified mortar. concrete pore sealer/levelling mortar/smoothing coat. | 25Kg | 2 kg/m ² /mm |
| Sikadur 31 Rapid | Sikadur®-31 GB Rapid is a solvent-free, moisture tolerant, thixotropic, structural two part adhesive and repair mortar, based on epoxy resins and special fillers, designed for use at temperatures between +5°C and +20°C. Conforms to ASTM C 881-78, Type I, Grade 3, Class B+C & EN 1504-4. Approved for potable water. (DWI Approved) | 6 kg (A+B) | 1.5 kg / mm |
| Sikadur 31 CF Normal | Sikadur-31 CF Normal is a solvent free, moisture tolerant, thixotropic, structural two part adhesive and repair mortar, based on a combination of epoxy resins and special fillers, designed for use at temperatures between +10°C and +30°C. | 6 kg (A+B) | 1.9 kg/m ² per mm of thickness |
| Sikadur 32 | SikaDur 32 is a two component, solvent free, cold cured epoxy bonding agent. Bonds all types of construction materials such as timber, brick, steel, iron, glass and stoneware. | 5 kg (A+B) | 0.7 – 1.4kg/ m2 typically (0.5mm – 1.0mm) |
| Sikadur 33 | SikaDur 33 is a thixotropic two part structural adhesive based on epoxy resin in a cartridge. For concrete repairs, joint sealing and crack filling, metalwork and carpentry. | 250 ml cartridge | N/A |
| Sikadur 41 CF Normal | Sikadur-41 CF Normal is a solvent-free, thixotropic, three part patching and repair mortar, designed for use at temperatures between +10°C and +30°C. | 10 kg (A+B+C) | 2.0 kg/m2 per mm of thickness |
| Sikadur 41 CF Rapid | Sikadur-41 CF Rapid is a solvent-free, moisture tolerant, thixotropic, structural two part adhesive and repair mortar, designed for use at temperatures between +5°C and +20°C. (DWI Approved) | 10 kg (A+B+C) | 2.0 kg/m2 per mm of thickness |



Concrete Repair Products



| Product | Description | Pack Size | Coverage |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------|
| Sikadur 52 Injection Type N | Sikadur-52 Injection Type N is a two part, solvent free, low viscosity injection liquid, based on high strength epoxy resin. Type N (Normal Potlife) is used for substrate temperatures between +5°C and +30°C | 1Kg (A + B) | 1Kg = 1 Litre injection resin |
| Sikadur 53 | SikaDur 53 is a two component epoxy resin uniquely formulated for underwater or wet crack injection work and is of a pourable fine mortar consistency | 11Kg (A+B+C) | 2.0 kg/m ² /mm |
| Sikadur Combiflex Jointing System | High performance joint sealing system for construction, expansion and connection joints as well as for cracks. When fixed to the joint, allows irregular and high movement in more than one direction, whilst maintaining a high quality seal. (DWI Approved) | SG-10 M: 1 mm x 100mm x 25m SG-20 M: 2 mm x 200mm x 25m | |
| SikaTop® Armatex® 110 EpoCem® | SikaTop® Armatex®-110 EpoCem® is a cementitious, epoxy resin compensated threecomponent coating material with corrosion inhibitor, used as bonding primer and reinforcement corrosion protection. SikaTop® 110 meets the requirement of EN 1504-7. (DWI Approved) | 20Kg (A+B+C) | 2.0 kg/m ² /mm |
| Sikatop 121 | SikaTop-121 is a two component polymer modified cementitious waterproof mortar comprising of a liquid polymer and a special cement based mix incorporating admixtures. (DWI Approved) | 10Kg & 25 Kg | 2.0 kg/m ² /mm |
| Sikatop 122 | SikaTop -122 is a two component polymer modified cement based fibre reinforced concrete waterproof repair mortar. | 10Kg & 25 Kg | 2.1 kg/m ² /mm |
| Sikatop 122 HB | SikaTop -122HB is a two component polymer modified cement based high build concrete repair mortar. For all types of concrete. (DWI Approved) | 10Kg & 34 Kg | 1.4 kg/m ² /mm |
| Sikatop Seal 107 | SikaTop Seal-107 is a two part polymer modified cementitious waterproof mortar slurry comprising of a liquid polymer and a cement based mix incorporating special admixtures. (DWI Approved) | 25kg (A+B) | 2.0 kg/m ² per mm of thickness |
| Sikagrout 212 | SikaGrout 212 is a one part flowable shrinkage compensated cementitious grout for concrete repairs. Compatible with Sika FerroGard corrosion inhibitors | 25kg | 2.2 kg/m ² per mm of thickness |



Concrete Repair Products



| Product | Description | Pack Size | Coverage |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------|
| Armorex Construction Grout | Sika Armorex Construction Grout is a one part, flowable, general purpose, cementitious grout | 25Kg | 14.2 ltrs of flowable grout |
| Armorex L2 High Flow Grout | Sika Armorex L2 High Flow is a one part, high flow, rapid strength cementitious grout. For precision, high performance, grouting underneath machine bases, structural steelwork, etc | 25Kg | 25 kg yields 13.5 ltrs of flowable grout |
| Sikagard 62 | Sikagard 62 is a two-component solvent free, high build coloured epoxy resin coating for steel or concrete with high chemical resistance and approved for use in contact with potable water. (DWI Approved) | 5kg (A+B) | 0.3 - 0.5 Kg/m ² |
| Sikagard 63 N | Sikagard-63 N is a solvent free, two part epoxy resin coating. Abrasion resistant universal coating material designed for normal to highly aggressive chemical environments. | 10kg (A+B) | 0.3 - 0.5 Kg/m ² |
| Inertol Poxitar F | Epoxy-anthracene oil-combination. Heavy duty coating for steel and concrete. Resistant 2-component reaction hardening coating of low solvent content. internal and external coating for buried and submerged structures. (DWI Approved) | 17Kg | 0.3Kg/m ² |
| Sikaflex PRO-3 | Sikaflex PRO-3 is a moisture curing 1-part elastic sealant for flooring based on polyurethane with high mechanical resistance. For indoor and outdoor applications | 300 ml cartridges 600 ml sausages | 6LM based on 10mm joint size per 600ml |



Dry Shake Topping Systems

| Product | Description | Pack Size | Coverage |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------|
| Tibmix | Tibmix is a pre-blended mix of specially graded Betonac aggregate and OPC designed to be applied to freshly laid concrete floors to increase the durability of the base concrete. | 25kg | 5.4kg / m ² |
| Tibmix Pigmented | As Tibmix above but available in a range of colours | 25kg | 5.4kg / m ² |
| Monoshake | Monoshake is a pre-blended mix of specially graded Quartz aggregates, OPC and special additives designed to be applied to freshly laid concrete floors to combine with the slab and create a monolithic surface. | 25kg | 3 - 5kg / m ² |
| Monoshake Pigmented | As Tibmix above but available in a range of colours | 25kg | 3 - 5kg / m ² |



Concrete Repair Products



| Product | Description | Pack Size | Coverage |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------------|
| Febset 45 | Febset 45 is a specially formulated repair mortar, based on magnesia-phosphate cement pre-mixed with selected aggregates, which gives controlled, extremely high early strengths in temperatures ranging from -20°C (or lower) up to over 30°C. Trafficable after 45 minutes. High bond strength, no primers required. | 25Kg | Approx 11.6ltrs |
| Febflor | Febflor is a concrete floor self levelling and smoothing compound. Can be easily spread on to suitably prepared stable concrete and screed floors in order to smooth surfaces, prior to laying final floor coverings. This product is not designed as a final wearing course to receive traffic and must be covered with tiles, lino, carpet etc. | 20Kg | 5m ² at 3mm |
| Febflor Plus | Febflor Plus is a flexible concrete floor self levelling and smoothing compound, with added latex powder. Can be easily spread on to suitably prepared stable concrete and screed floors in order to smooth surfaces, prior to laying final floor coverings. This product is not designed as a final wearing course to receive traffic and must be covered with tiles, lino, carpet etc. .. | 20kg | 5m ² at 3mm |
| Febflor Latex | Febflor Latex Liquid is a polymer based latex additive for imparting flexibility to cement based floor levelling compounds, adhesives and grouts when they are used in areas of moderate movement e.g. on wooden floors or asphalt. Will also improve the water and chemical resistance of these products as well as increasing their resistance to abrasion and help stop dusting. .. | 5 Litre | 5 litres required for each 20Kg of Febflor |



| Product | Description | Pack Size |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Fischer Express Cement Premium | The ready-to-use, sprayable joint mortar. Good adhesion even on slightly damp substrates practically allows for all-weather work and prevents forced interruptions. The structure of the high-quality water-based polymer has been perfectly designed with the visual appearance of the mortar in mind. This ensures a discreet joint and perfect appearance. | 310ml |





PAREX

Concrete Repair Products

| Product | Description | Pack Size | Coverage |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------|
| 100 Newton Grout | 100 Newton Grout is an ultra high strength grout specially formulated using a Portland cement powder mix. The mix design includes special shrinkage compensating components, which give a non-shrink grout in both the plastic and hardened states. | 15Kg Pail 25Kg Bag | 15Kg will yield 8 litres of grout |
| CS Concrete | CS Concrete is an aggregated Portland cement based product giving high strength, good flow and non-shrink properties. The maximum size aggregate is 6mm which enables sections of 75mm to 150mm to be placed. | 25Kg Bag | 25 kg yields 12.5 litres of Concrete |
| CS Grout | CS Grout is a Portland cement based product giving high strength, good flow and non-shrink properties. Placed grout gives structural support and good vibration resistance. CS Grout is chloride free and can be safely used in contact with steel. | 25Kg Bag | 25 kg yields 13.25 litres of grout |
| CSW Grout | CSW Grout is a specially formulated, Portland cement powder mix. The mix design includes special shrinkage compensating components plus powerful plasticising agents which produce a free flowing grout at low water content. CSW Grout contains an integral waterproofer which imparts good water resistance to the placed grout. | 25Kg Bag | 25 kg yields 13.25 litres of grout |
| Railfast Grout | Railfast Grout is a polyester resin based material used for grouting where rapid early strength development is required. Railfast Grout can be used at section depths between 10 and 25mm or for section depths between 25 and 75mm with the aggregate component. | 32.8Kg | 32.8 kg bag yields 16.4 litres of grout |
| E20 Epoxy Grout | E20 Epoxy Grout is an epoxy resin based grout with high flow properties capable of placing in nominally parallel gaps down to 8mm | 24.6Kg | 13.25 litres of grout |
| E33 Epoxy Grout | E33 Epoxy Grout is an epoxy resin based grout with high flow properties capable of placing in gaps down to 10mm | 28.1Kg | 14.75 litres of grout |
| E70 Epoxy Grout | E70 Epoxy Grout is an epoxy resin based grout with high flow properties capable of placing in gaps between 35mm to 75mm | 33.8Kg | 16.75 litres of grout |
| E140 Epoxy Grout | E140 Epoxy Grout is an epoxy resin based grout with high flow properties capable of placing in gaps between 70mm to 140mm. | 38.98Kg | 18.75 litres of grout |
| E200 Epoxy Grout | Epoxy 200 is an epoxy resin based anchor grout with high flow properties capable of placing in annular gaps 2 mm to 12 mm | 1.0Kg | 0.65 litres of grout |



PAREX

Concrete Repair Products

| Product | Description | Pack Size | Coverage |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------|
| Dry Pack C | Dry Pack C is a Portland cement based powder mix including special shrinkage compensating components. The mixed material produces a mortar, which may be rammed into gaps between concrete units, without the use of shuttering, to create a supporting fill | 25Kg Bag | 25Kg will yeild 12 litres of mortar |
| High Build Mortar | High Build Mortar is a high strength non-shrink cementitious product with "stay as placed" properties. Suitable for use in structural support situations and where good vibration resistance is required. The prepared mortar can be used as a dry pack or placement without shuttering in gaps of 10mm to 50mm. | 25Kg Bag | 25Kg will yeild 12.5 litres of mortar |
| Lightweight Mortar Rapid | Lightweight Mortar Rapid is a fast setting, low density concrete repair mortar. The mix design produces a high build, polymer and fibre modified, cementitious concrete repair system also capable of being applied as a fair faced finish in vertical and overhead situations | 18Kg Bag | 18Kg will yeild 13.5 litres of mortar |
| Pouring Concrete | Pouring Concrete is a blend of special Portland cements, high quality non ASR reactive aggregates and includes microsilica. The products contain no iron, high alumina cement, chloride or deleterious substances. The mortar powder, when mixed with water, produces a homogenous concrete which will not segregate or bleed and is non-shrink. | 25Kg Bag | 25 kg yields 11.75 litres of concrete |
| Tecfast Concrete | Tecfast Concrete complies with the requirements of BS EN 1504-3 Class R4. Tecfast Concrete is a single pre-mixed Portland cement based non-shrink concrete designed with selected graded silica aggregates and additives. The mixed product may be placed in sections of 20mm up to 650mm in a single pour. | 25Kg Bag | 25 kg yields 11.5 litres of concrete |
| Epoxy Adhesive 305 | Epoxy Adhesive 305 is an epoxy resin based compound suitable for placing using hand tools or by means of a hand held applicator gun. The three pack product consists of resin in a mixing tub, a bottle of hardener and a bag of specially graded fillers. Epoxy Adhesive 305 is used for the jointing of concrete, brickwork, masonry, elastomeric bearings, timber, ceramic tiles, aluminium & steel. | 1.5Kg & 4.5Kg | 1.0 litre of adhesive per 1.5Kg |

PAREX

Concrete Repair Products

| Product | Description | Pack Size | Coverage |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------|
| Tecgrip V | Tecgrip V consists of a low viscosity polyester resin plus a catalysed filler. The two components are mixed to produce a filled resin grout, which may be poured or pumped into suitably prepared anchor holes. The mixed grout is coloured dark grey and is used for downward facing holes where the hole diameter is up to 25mm greater than the bolt or bar diameter | 1.0 / 2.5 & 11.8 litre Packs | Dependant upon re-bar sizes see Technical Data Sheet |
| Tecgrip VL & VXL | Tecgrip VL and VXL consists of a low viscosity polyester resin plus a catalysed filler. The two components are mixed to produce a filled resin grout which may be poured or pumped into suitably prepared anchor holes. The mixed grout is coloured dark grey and is used for downward facing holes where the hole diameter is (VL) 20mm to 50mm (VXL) 50mm to 75mm greater than the bolt or bar diameter | 13.7Kg pack (7.8litres) | Dependant upon re-bar sizes see Technical Data Sheet |

CONDUCRETE®

Concrete Products

| Product | Description | Pack Size | Coverage |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------------------------------------|
| Conductive Concrete | <p>Conducrete is a conductive concrete, which creates safe zones in areas where traditional methods are unsuitable, components stolen, or enhanced safety is required. Conducrete helps to create safe systems where before there would be threats to life. The applications of Conducrete are vast and in a wealth of our projects it has demonstrated astounding theft-resistance of material elements. The versatility of this product makes it difficult to provide an exhaustive list of its capabilities; new applications for Conducrete are being discovered frequently.</p> <p>Conducrete® adds substantial protection to any system where low impedance earthing/grounding is required and it has been successfully utilized to enhance and protect earthing/grounding systems across many industries including the following: Electrical Utilities, Telecommunications, Broadcasting, Wind Farms, Mining, Oil and Gas, Industrial and Manufacturing, Municipal and Institutional and Military.</p> | 25Kg & 11.5Kg Bags | Dependant upon re-bar sizes see Technical Data Sheet |





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|--------------------------------------|----------------|
| Cementitious Repair Products | 155 |
| DoT Compliant Products | 156-157 |
| Ultracrete Product Range | 158-159 |
| Parex Highway Repair | 160-161 |
| Mapei Repair Products | 162 |
| Denso Highway Repair Products | 162 |
| Highway Repair Products | 163 |



Solrepair Product Range



| Product | Description | Sizes | Coverage |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------|
| Solplug - Wall Tie Sealing Compound | Solplug is a pre-blended cementitious wall tie sealing compound. The plastic shrinkage characteristics are low and the set compound affords a high level of resistance to sulphate and other chemical attack when fully cured. Solplug is a compound consisting of quality assured raw materials and specialist chemical modifiers designed to provide rapid set and anti-washout properties. The compound is chloride free. | 8Kg | 1 m3 of set compound requires 1.60 tonnes of dry powder |
| Solpatch - Rapid Set Repair Mortar | Solpatch is a blend of ordinary and specialist cements, high quality graded aggregates and a unique combination of polymers and admixtures. When mixed with water it produces a putty like mortar with an excellent wash out resistance and a powerful bond onto wet concrete substrates. Solpatch is available in colours grey and white. These can be blended to match most shades of concrete.. | 8Kg & 25Kg | 25Kg will yield 13.5 litres of mortar |
| Solcem Epoxy Mortar - Epoxy Repair Mortar | Solcem Epoxy Repair Mortar is a high strength, trowel applied, three component epoxy resin-based mortar designed for rapid and permanent repairs to concrete and masonry surfaces. Solcem Epoxy Repair Mortar is a blend of epoxy resin, Polyamine curing agent, graded siliceous aggregates and colour pigments. The mixed material is applied to a suitably prepared and primed surface, and quickly cures to form a durable, abrasion and chemical resistant repair mortar. | 12Kg | A 12 kg pack yields approx. 1.08m ² at 5mm thickness |
| Soltank Super - Waterproof Coating For Concrete And Masonry | SOLTANK SUPER, when mixed with clean water, forms an extremely durable waterproof coating for concrete and masonry which is easily applied by a stiff hand brush, broom or spray. Both products may both be covered with a decorative finish or left uncovered. | 20Kg | 3kg powder /m ² depending on substrate |
| Solcrackseal EPR - Epoxy Resin Crack Repair | Solcrackseal EPR is a two pack extremely low viscosity system especially formulated for gravity feeding or pressure injecting into fine cracks and fissures in concrete. | 2Kg & 10Kg | 1 Litre per Kg |
| Soltack K140 - Liquid Bitumen Tack Coat | K140 is a cold applied, liquid bitumen emulsion, used in the construction and repair of pavements, driveways, roads and highways. K140 is water based, ready to use and conforms to the requirements of BS 434: Part 1 and are applied in accordance with BS434: Part 2. | 25 & 200 Litres | 0.3-0.5 L/m ² |



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Roadmaster DoT Compliant Concretes & Mortars



| Product | Description | Pack Size | Coverage |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------|
| Roadmaster Mortar | Roadmaster Mortar It is a general purpose mortar which can be opened to traffic after approximately 90 minutes under ambient conditions (18-22°C). Roadmaster Mortar is intended for bedding applications that require high early strength to help reduce construction and road closure time. | 25Kg Bag | 25Kg will yield 12.6 litres of mortar |
| Roadmaster Mortar Rapid | Roadmaster Mortar Rapid is a rapid set mortar which can be opened to traffic after approximately 60 minutes under ambient conditions (18-22°C) and complies with: Department of Transport HD 27/04 Design Manual for Roads and Bridges Vol 7 Sec 2 Clause 3.11 Mortars for bedding iron work such as manhole cover frames during repairs may be trafficked when the strength is expected to be 20N/mm ² . For rapid construction, this strength should be achieved within 2 hours. | 25Kg Bag | 25Kg will yield 12.2 litres of mortar |
| Roadmaster Mortar Ultra | Roadmaster Mortar Ultra is a rapid set mortar which can be opened to traffic after approximately 30 minutes under ambient conditions (18-22°C) and complies with: Department of Transport HD 27/04 Design Manual for Roads and Bridges Vol 7 Sec 2 Clause 3.11 Mortars for bedding iron work such as manhole cover frames during repairs may be trafficked when the strength is expected to be 20N/mm ² . For rapid construction, this strength should be achieved within 2 hours. | 25Kg Bag | 25Kg will yield 11.9 litres of mortar |
| Roadmaster Concrete | Roadmaster Concrete is used for the backfill of carriageway ironwork, post and barrier erection or bridge deck repair. Roadmaster Concrete has been independently tested by UK AS Labs for compliance to DoT: Highways Agency Spec. HD27/04.VOL 7.Sect 2.Part 4.Clause 3.11. | 25Kg Bag | 25 kg yields 12 litres of concrete |
| Roadmaster Flowing Concrete | Roadmaster Concrete Flowing is a pre-blended, cementitious, rapid setting concrete designed to compliment the Roadmaster range of bedding mortars for applications that include reinstatements in paths, concrete drives, flags and concrete fillets around valve boxes and iron works. Roadmaster Concrete Flowing has been independently tested by UKAS Labs for compliance to: Highways Agency Spec. HD27/04. VOL 7.Sect 2.Part 4.Clause 3.11. | 25Kg Bag | 25 kg yields 12 litres of concrete |

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Roadmaster DoT Compliant Concretes & Mortars



| Product | Description | Pack Size | Coverage |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------|
| Roadmaster Mortar Excel | <p>Roadmaster Mortar ExCeL is a rapid hardening, shrinkage compensated, easy to apply mortar that has been designed for use where time is at a premium. Roadmaster Mortar ExCeL is a blend of cements, selected sands and other additives designed to optimise and control the setting time and strength development of the material.</p> <p>Roadmaster Mortar ExCeL has been independently tested by UKAS Labs for compliance to DoT: Highways Agency Spec. HD27/04.VOL 7.Section 2. Part 4. Clause 3.11.</p> | 25Kg Bag | Dependant upon application |
| Roadmaster Supapoint | Roadmaster Supapoint is a cementitious high strength, shrinkage compensated, easy to apply, flowing grout that has been designed for use where time is at a premium. Roadmaster Supapoint is a blend of cements and other additives designed to optimise and control the flow, setting time and strength development of the material. | 25Kg Bag | 25Kg will yield 16.9 litres of mortar |
| Roadmaster Low Temperature Mortar | Roadmaster Low Temperature Repair Mortar is a rapid set very low temperature mortar which can be used at temperatures down to minus 20°C; it is intended for concrete road pavement and cold store floor repair and can be opened to vehicle traffic at ambient temperatures of 5°C after 30 minutes. | 25Kg Bag | 25Kg will yield 11.7 litres of mortar |
| Roadmaster Post Fix | Postfix is specially designed and formulated to produce a high quality concrete for securing any type of post. Post Fix is the ideal solution for all post erecting applications. | 20Kg Bag | Dependant upon Hole / Post Sizes. |
| Roadmaster Romag | <p>RoMAG is a free flowing, non-shrink, high strength grout that can be used where superior performance and fast track application is required.</p> <p>RoMAG has been specially developed for use with open textured macadam to provide a composite topping that gives the combined advantages of a concrete slab and asphalt surface.</p> | 25Kg Bag | 25 kg pack of RoMAG when mixed with 6.75 litres of water produces 0.015 m ³ |



INSTARMAC®

Ultracrete Product Range



| Product | Description | Pack Size | Coverage |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------|
| PY4 Manhole Bedding Mortar | Polyester Resin Fast Setting Bedding Mortar for Manholes. A two-part component, fast setting polyester resin mortar. Particularly suitable for the rapid installation and reinstatement of manhole frames, gully grates, kerbs and street furniture in heavily trafficked areas. Achieves 61.5N/mm ² compressive and 7.41N/mm ² tensile strengths after just 1 hour. Can be applied at 0°C. | 25Kg Bag | 25Kg will yield 12.5 litres of mortar |
| M60 Manhole Bedding Mortar | Fast Set, Rapid Strength Bedding Mortar for Manholes. Ultracrete's M60 is a HAPAS approved, rapid strength bedding mortar for use with all types of access covers, as well as for the rapid bonding of granite setts, flags, emergency repairs and the bedding of kerbs. M60 achieves a compressive strength of 24N/mm ² at 20°C | 25Kg Bag | 25Kg will yield 12.5 litres of mortar |
| QC10 Rapid Strength Concrete | A fast setting, high performance, rapid strength concrete designed for backfill, thick section concrete repairs, haunching reinstatements and post and barrier erection. 22N/mm ² compressive strength after 2 hours. Gains 5.5N/mm ² flexural and 2.8N/mm ² tensile strengths after 28 days. | 25Kg Bag | 25Kg will yield 12 litres of mortar |
| SCJ Spray Applied Bitumen Cold Joint Sealer & Tack Coat | A bitumen cold joint sealer & tack coat spray that is applied onto vertical edges and the surface base before the application of asphalt. It will increase the bond of the material to the substrate and waterproof the area. This will significantly enhance the reinstatement's performance, by preventing the ingress of water and the freeze/thaw effect | 750ml Cans | N/A |
| IRR Instant Road Repair | Ultracrete Instant Road Repair (IRR) 3mm is a permanent pothole repair solution in roads, pavements, driveways and car parks. The benefit of the product, is it can be trafficked instantly in wet, freezing and hot conditions and at the same time is compatible with the existing flexible road surfaces. | 25Kg Tub | 1m ² x 15mm (compacted) |
| PPR Permanent Pothole Repair | Ultracrete Permanent Pothole Repair, HAPAS approved by the BBA, requires minimal preparation as there is no need for mixing, priming or sealing. It is instantly trafficable and has enhanced workability enabling it to be used straight from the pack even in cold and wet conditions! It has a high skid resistance value of (SRV) 88 > for improved safety and exceptional durability. | 25Kg Tub | 1m ² x 15mm (compacted) |



INSTARMAC®

Ultracrete Product Range



Ultracrete Product Range

| Product | Description | Pack Size | Coverage |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------|
| M45 Rapid Strength Bedding and Repair Mortar | A rapid strength bedding and repair mortar for use with all access covers. Its rapid set properties make it a reliable solution for emergency concrete road repairs, the levelling of covers, bedding of kerbs, coastal protection and tidal repair projects. Reaches a compressive strength of 20N/mm ² in just 45 minutes. | 25Kg Bag | 25Kg will yield 12.5 litres of mortar |
| M90 General Purpose Fast Set Mortar | Ultracrete's all purpose fast set mortar, M90 is a cost effective manhole and access cover installations and for and for general repairs including the bedding of kerbs, flags, linear drainage, localised granite setts and cobbles and for repairs to brick work. | 25Kg Bag | 25Kg will yield 12.5 litres of mortar |
| Post Fix Rapid hardening Post Fix Concrete | A rapid hardening 10mm concrete formulated for sub-surface use in the fast and efficient installation of posts, signs, fences, telephone and electricity poles, street lighting columns, street furniture, speed cameras and road side barriers. A compressive strength of 41N/mm ² is reached at 28 days. | 25Kg Bag | 25Kg will yield 12 litres of mortar |
| SCJ Spray Applied Bitumen Cold Joint Sealer & Tack Coat | A bitumen cold joint sealer & tack coat spray that is applied onto vertical edges and the surface base before the application of asphalt. It will increase the bond of the material to the substrate and waterproof the area. This will significantly enhance the reinstatement's performance, by preventing the ingress of water and the freeze/thaw effect | 750ml Cans | N/A |
| RSC Extra Rapid Hardening Cement | A rapid set cement which, when mixed with site aggregates, produces fast setting, early high strength mortars or concrete. The exceptional performance gained from using design mixed based on RSC means the product is suitable for a whole range of concrete and mortar applications where early opening to traffic is essential. It is ideal for use on cable box floors, road crossings, sign and camera bases. Exceptional strength gain of up to 20N/mm ² can be achieved in an hour | 20kg Bag | Approx 1m ² @ 40mm = 3 bags of preblended concrete |



PAREX

Highway Repair Products

| Product | Description | Pack Size | Yield |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------------------------------|
| Highway CA45 | Highway CA45 is a pre-mixed cement based non-shrink bedding mortar suitable for the support of road ironwork and highway furniture. The mixed mortar, when placed, will harden in approximately 10 minutes. The compressive strength gain will reach 20N/mm ² within 45minutes allowing early opening of roads to vehicular traffic. | 25Kg Bag | 25kg bag of Highway CA45 yields approx 12.75 litres. |
| Highway CA1 | Highway CA1 is a pre-mixed cement based non-shrink bedding mortar suitable for the support of road ironwork and highway furniture. The mixed mortar, when placed, will harden in approximately 10 minutes. The compressive strength gain will reach 20N/mm ² within 1 hour allowing early opening of roads to vehicular traffic. | 25Kg Bag | 25kg yields 12.5 litres of Concrete |
| Highway C2 | Highway C2 is a pre-mixed Portland cement based nonshrink bedding mortar suitable, for the support of road ironwork and highway furniture. The mixed mortar, when placed, will harden in approximately 10 minutes. The compressive strength gain will reach 20N/mm ² within 2 hour allowing early opening of roads to vehicular traffic. | 25Kg Bag | 25kg yields 12.5 litres of Concrete |
| Highway Fast Patch | Highway Fast Patch is a two component product, supplied as a pre-mixed Portland cement based non-shrink powder component plus a co-polymer latex gauging liquid. The compressive strength gain will reach 10N/mm ² within 1 hour allowing for foot traffic. Vehicular traffic strength of 20N/mm ² will be typically obtained within 4 hours. | 10Kg Combined Units | 5 litres of mixed material |
| Highway FSC6 | A single pack pre-mixed Portland cement based non-shrink concrete suitable for thick section placing where rapid early strength gain is required. It can be used for the support of road ironwork and highway furniture, barriers and stanchion posts. The mixed concrete, when placed, will harden in approximately 10 minutes. Compressive strength will reach 20N/mm ² within two hours. | 25Kg | 25kg yields 12.5 litres of Concrete |
| Highway FSC10 | FSC-10 is a pre-packaged special cement based concrete containing graded aggregates and non-shrink additives. FSC-10 is supplied to site ready to use only requiring the addition of mixing water to produce a medium workability high strength durable concrete. The mixed concrete, when placed, will harden in approximately 10 minutes and reach initial set in approximately 15 minutes. FSC-10 can be placed in a single pass from 30mm to 400mm | 25Kg | 25kg yields 12 litres of Concrete |



PAREX

Highway Repair Products

| Product | Description | Pack Size | Yield |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------------|
| Highway Super C | Super C is a self contained product only needing to be mixed with water on site to produce a firm mortar. The product is chloride free and can be safely used with cast iron and steel units. The mortar can be placed in sections of 20mm to 50mm in thickness and greater thicknesses can be built up in layers. After placement no special curing is required in moderate ambient conditions | 25Kg Bag | 25kg yields 11.5 litres of Concrete |
| Highway T-10 Rapid Setting Concrete | T-10 is supplied to site ready to use, only requiring the addition of mixing water to produce a stiff rapid hardening concrete. The mixed concrete, when placed, will harden in approximately 5 minutes and reach initial set in approximately 10 minutes, depending upon climatic conditions. T-10 can be placed in a single pass from 30mm to 500mm. Thicker sections can be achieved by placing additional layers once the preceding layer has reached initial set. | 25Kg Bag | 25kg yields 11.5 litres of Concrete |
| Highway Framefix Mortar UF | Highway Framefix Mortar UF is a pre-mixed Portland cement based non- shrink bedding mortar suitable for the support of road ironwork and highway furniture. The mixed mortar, when placed, will harden in approximately 15 minutes. The compressive strength gain will reach 20N/mm ² within 1 hour allowing early opening of roads to vehicular traffic. At three hours the compressive strength will exceed 50 N/mm ² and the tensile strength will exceed 5 N/mm ² conforming to the DTI Design Manual for Roads and Bridges: Mortars for the Bedding of Iron Work (HA 104/09). | 25Kg Bag | 25kg yields 12 litres of Concrete |
| Highway Framefix Grout | Framefix Grout is a polyester resin based material used for grouting where rapid early strength development is required. The mixed grout will harden to give rapid strength gain reaching 60N/mm ² in 1 hour allowing opening to vehicular traffic | 25Kg Combined Pack | 25kg yields 12.5 litres of Grout |
| Highway Framefix Mortar | Framefix Mortar is polyester resin based material used for the bedding and leveling of all types of frames in vehicular road surfaces. The mixed mortar will harden to give rapid strength gain reaching 52N/mm ² in 1 hour allowing road opening to vehicular traffic. Framefix Mortar complies with Highways Agency Advice Note 104/09 Design Manual for Roads and Bridges | 25Kg | 25kg yields 12.5 litres of Mortar |
| Highway Kerbfix | Parex Kerbfix is a hand-applied polyester mortar used for the bedding and fixing of paving units where same day trafficking and/or exceptional bond is required. | 14Kg Box | 14kg yields 7 litres of Mortar |



Highway Maintenance Products




Highway Repair Products

| Product | Description | Pack Size | Yield |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------|
| Mapegrout SV | Quick-setting and hardening, compensated-shrinkage hi-flow mortar for repairing concrete and fixing drains, manholes and urban architectural fittings in place. EN 1504-3 - class R4 structural mortar. | 25Kg Bag | 20kg per m ² |
| Mapegrout SV T | Quick-setting, shrinkage-controlled, thixotropic mortar for repairing concrete, fixing drains, manholes and urban fixtures. Mapegrout SV T is used for repairing highly deteriorated in-situ concrete elements, both vertical and horizontal, without the use of formwork. The rapid hardening properties of Mapegrout SV T are particularly suitable for reinstating, inspection wells, manholes and drain covers. EN 1504-3 - class R4 structural mortar. | 25Kg Bag | 20kg per m ² |
| Mapegrout Hi-Flow Fibre | Controlled-shrinkage fibre-reinforced fluid grout for concrete repair. Use Mapegrout Hi-Flow for all concrete repairs that require the use of fluid mortars, such as reinforced concrete beams and columns and floors. Made from cement binders, graded aggregate, special additives and synthetic fibres. | 25Kg Bag | 20kg per m ² |
| Mapefloor EP 19 | Three-component acid-resistant epoxy mortar for thick applications. Mapefloor EP19 is used as an acid-resistant, wear-resistant protection of concrete structures, for example bearings for crane and bridge crane runways, beds for sewage treatment machinery, ramps, etc. Mapefloor EP19 is suitable for rebuilding the corners of expansion joints in damaged industrial concrete flooring due to the impact of trucks, forklifts, etc. | 10Kg (A+B+C) | 20kg per m ² |



Highway Repair Products

| Product | Description | Pack Size | Yield |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------|
| Densoband | A hot applied preformed sealing strip for sealing joints between asphalt to asphalt, concrete and road castings in road construction and bridge expansion joints. It is also used for airport runway joints and light railway/tram construction to form a flexible seal between the track and the surrounding asphalt. | 8mm x 45mm x 12m 15mm x 45mm x 6.5m | N/A |

| Product | Description | Pack Size |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Fischer Express Cement Premium | The ready-to-use, sprayable joint mortar. Good adhesion even on slightly damp substrates practically allows for all-weather work and prevents forced interruptions. The structure of the high-quality water-based polymer has been perfectly designed with the visual appearance of the mortar in mind. This ensures a discreet joint and perfect appearance. | 310ml  |

SHIMPAC®

| Product | Description | Pack Size |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| ShimPack Planks & Collars | SHIMPAC planks and collars can provide a final reinstatement / adjustment to carriageway and footpath ironwork as an alternative to using quarry tiles, brick slips or cut bricks in conjunction with sand and cement mortar or fast setting mortar. Shimpac Approved for use by utility companies and Highway Authorities. Shimpac Complies with requirements of the Highway Agency Specification | A full range of Plank & Collar sizes in various thicknesses are available. |

Applications

- Carriageway and footpath ironwork support
- Manhole frames and covers
- Gully gratings
- Hydrant and sluice valve boxes
- Stop tap, rodding eye and cable TV boxes





| | |
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Solcourse High Performance DPC

Solcourse HP DPC is a bitumen free polymeric damp proof course using the most recent advances in polymer technology. Solcourse HP DPC is suitable for use as a DPC in all types of building construction and can be used in vertical, horizontal, stepped and cavity tray applications.

A full range of DPC system accessories are available.

- BBA Agrément Certified & CE Marked
- Capable of withstanding high superimposed loads.
- Flexible at low temperatures
- Excellent Resistance to Radon & Carbon Dioxide Gases
- High Strength & Puncture Resistant
- Suitable for use with the Solco Cavity Tray System



| Solcourse HP DPC - 20m Roll Lengths | |
|-------------------------------------|---------------|
| Roll Width(s) | 100mm - 900mm |
| m ² Roll | 2.0 - 18 |



Solcourse 3S DPC

Solcourse 3S is a polymeric DPC specially formulated for the housing and commercial building contractor and is suitable for use on buildings up to and including 3 storeys.

Ideal for damp proofing solid/cavity walls in brick, block, stonework or concrete Solcourse 3S uses the same proven production technology as Solcourse High Performance DPC.

- BBA Agrément Certified & CE Marked
- Specifically designed for housing & commercial applications
- No extrusion under heavy loads
- Superior performance to traditional British Standard DPCs
- Solcourse Jointing Accessories range available
- Solcourse preformed cloaks available



| Solcourse 3S DPC - 20m Roll Lengths | |
|-------------------------------------|---------------|
| Roll Width(s) | 100mm - 900mm |
| m ² Roll | 2.0 - 18 |



Solcourse GR DPC

Solcourse GR provides protection against the ingress of gases when sealed to both the slab membrane and dpc or cavity tray system. The use of factory welded preformed units, i.e. pipe penetrations, corners, stop ends and changes of level can be used as part of a gas protection scheme for either a passive, or active system. Solcourse GR conforms to the current requirements for use as part of a gas resistant membrane system.

- Gas Resistant to Radon, Methane & CO₂
- Capable of withstanding high superimposed loads.
- Flexible at low temperatures
- High Strength & Puncture Resistant
- Suitable for use with the Solco Cavity Tray System
- Independently Tested



| Solcourse GR DPC - 20m Roll Lengths | |
|-------------------------------------|---------------|
| Roll Width(s) | 300mm - 900mm |
| m ² Roll | 6.0 - 18 |



SOLCO

Solcourse Polythene DPC

Solcourse damp proof course is made from 100% recycled polythene, conforms to BS 6515 (1984).

For use in brick, stone and concrete walls Solcourse Polythene, DPC provides a robust damp proof barrier to prevent the rise of damp in structure walls. To be compliant with current building regulations a damp proof course should be built into the mortar bed approximately 150mm above the structure base, it can be used in vertical, horizontal, stepped and cavity tray applications.



- Manufactured from Recycled material
- Conforms to BS6515 (1984)
- Cost effective
- Safe & Clean to handle
- Suitable for use with the Solco DPC System Accessories

Solcourse Polythene DPC 30m Roll Lengths

| | |
|---------------------|---------------|
| Roll Width(s) | 100mm - 900mm |
| m ² Roll | 3.0 - 27 |

SOLCO

Solcourse DPC Jointing Accessories

Solcourse DPC Jointing Accessories comprise a range of products for jointing, supporting and fixing DPC cavity trays and preformed cloak units and which are required to make up the complete damp proof course system.



| Product | Description | Size(s) / Coverage | Pack Sizes |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------|
| SOLCO DPC Joint Support System | Polypropylene Support Boards used in conjunction with Solco Butyl DPC Jointing Tape | 15 No. 350 x 220mm 1No. Solco Butyl Jointing Tape | System |
| SOLCO Double sided Butyl Jointing Tape | Butyl double sided Adhesive Tape for securing joints and laps in DPC's, Cavity trays & pre-formed Cloaks | 100mm x 10m | Rolls |
| SOLCO DPC Lap Adhesive | A brush applied synthetic rubber / resin mixture. It is used to seal joints between Solcourse high performance DPCs, cavity trays and preformed cloak unit | 750ml (Covers approx 4-5m ²) | Cans |
| SOLCO Primer | A rubber modified bituminous primer for preparing block, concrete or metal surfaces prior to the application of Solsheet self adhesive tanking membranes and Solco Butyl DPC Jointing Tape | Coverage is 3 to 4m ² per litre. | 5 Litre Can & 25 Litre Drum |
| SOLCO DPC Mastic | A thick synthetic rubber mastic adhesive with gap filling properties up to 6mm. Solco DPC Mastic is suitable for bonding surface-fixed Solcourse high performance DPC cavity trays and preformed cloak units to a wide range of common building materials such as block, concrete or metal. No primer is necessary. | Coverage is 1.2 to 2m ² per litre. A 400ml Cartridge equates to 14 linear meters @ 6mm bead. | 2.5 litres Tins 400 ml Cartridge |



Solcourse DPC Jointing Accessories

| Product | Description | Size(s) / Coverage | Pack Sizes |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------|
| SOLCO DPC Fixing Strips | Solcourse DPC Fixing Strip is corrosion resistant rigid plastic strip. It is used to surface fix Solcourse high performance DPC cavity trays and preformed cloak units to the inner leaf | 25mm x 2mm x 2m pre-drilled at 150mm centres c/w DPC Fixing pins | Pack of 40 LM |
| SOLCO DPC Fixing Pins (Masonry) | Solco DPC Fixing Pins for Masonry are corrosion resistant and can be used for surface fixing Solcourse high performance DPC systems to any solid internal substrate such as brick, stone and concrete | 6mm x 35mm Fixing pins | Pack of 200 |
| SOLCO DPC Fixing Pins (Insulation) | Solco DPC Fixing Pins for Insulation are corrosion resistant and can be used for surface fixing to the rigid insulation of composite inner skins. | 6mm x 35mm Fixing pins | Pack of 1000 |
| SOLCO High performance Insulation Fixing | For applications requiring high pull out resistance, or for fixing to poor quality base materials, Solco HP Insulation Fixing is recommended. Solco HP Fixing features an expansion pin, driven into the stem of the fixing to expand the stem and provide a high pull out resistance | 10mm dia. x 50mm head Lengths: 60mm - 170mm | Pack of 200 |
| SOLCO Insulation Panel Fixing | Solco Insulation Panel Fixing is recommended for securing rigid insulation, EPS, High Density Rockwool and Composites, to solid base materials | 8mm dia. x 35mm head Lengths: 50mm - 130mm | Pack of 200 |
| SOLCO Insulation Retaining Washers | Insulation retaining washers are used in conjunction with screws to secure insulation to timber, sheet steel and other non standard base materials | 46mm x 5mm (Short stem) 46mm x 12mm (Long stem) | Pack of 1000 |
| SOLCO DPC Blanking Plug | Solco DPC Blanking Plug has been designed to offer a solution to the problem of sealing holes drilled in bricks and mortar for the installation of DPC Chemicals. | 10mm / 12mm Dia. Grey / Terracotta | Pack of 1000 |
| SOLCO Soft Washer Fixing | For securing Solco drainage & waterproof applications to concrete etc by hand nailing or shot-firing | 40mm (nail) x 34mm Washer | Pack of 200 |
| SOLCO Membrane Fixing plugs | The fixing plug is used in damp proofing applications, to secure the specialist membranes to the base material, usually brickwork and concrete. | 70mm x 30mm (head) Sealing washer also available | Pack of 100 |



Hyload Original DPC



Hyload Original is a polymeric DPC material ideal for damp-proofing walls of brick, block, stonework or concrete in both solid and cavity wall constructions. It can be used vertically, horizontally and as a cavity tray. Hyload Original is resistant to compression even under the heaviest of wall loadings, as well as being very easy to handle and install. The product is supported by a complete range of accessories, is compatible with other IKO waterproofing products. Hyload holds British Board of Agrément certificate number 95/3133.

- Over 40 years proven reliability
- Complete Hyload DPC System availability
- Excellent performance under high compressive loads
- Good flexibility at low temperatures
- Tough and durable

| Roll Dimensions | |
|-------------------|------------------------|
| Nominal Thickness | 1.5mm |
| Nominal Weight | 1.27 kg/m ² |
| Roll Length | 20m |
| Roll Width | 100mm to 1000mm |



Hyload Housebuilder

Hyload HouseBuilder is a domestic grade polymeric DPC specially formulated for the housing contractor and is suitable for use up to and including 3 storeys. Ideal for damp proofing solid/cavity walls in brick, block, stonework or concrete (but not unsupported across the cavity), Hyload HouseBuilder uses the same proven production technology as Hyload Original DPC



- High performance DPC
- Suitable for domestic applications
- Superior performance to BS grade DPC products
- Hyload DPC Jointing Accessory range available
- Standard & bespoke preformed cloak units available
- A range of mortar match colours are available

| Roll Dimensions | |
|-------------------|-----------------------|
| Nominal Thickness | 1.1mm |
| Nominal Weight | 0.9 kg/m ² |
| Roll Length | 20m |
| Roll Width | 100mm to 450mm |



Hyload DPC



Hyload DPC is a polymeric material suitable for use as a DPC and cavity tray system for all types of construction including house building, commercial, industrial and multi storey. Hyload Trade DPC uses the same proven technology as used with Hyload Original DPC, which was the first system of its kind in the UK and was awarded the first ever Agrément Certificate in 1967. Hyload Trade has been awarded Agrément Certificate No. 95/3133.

- Commercial Grade DPC
- Suitable for domestic applications
- Superior performance to BS grade DPC products
- Hyload DPC Jointing Accessory range available
- Standard & bespoke preformed cloak units available

| Roll Dimensions | |
|-------------------|-----------------------|
| Nominal Thickness | 1.2mm |
| Nominal Weight | 0.9 kg/m ² |
| Roll Length | 20m |
| Roll Width | 100mm to 1.0m |



Permabit DPC



Permabit DPC is a high-bond strength, flexible bitumen polymer DPC, specifically designed to provide superior adhesion to mortar. Permabit DPC provides excellent performance under both high and low compressive loads and as such is commonly used as a cavity tray in lightly loaded parts of the construction such as parapet walls, or used as a horizontal DPC beneath copings or cappings.

- Excellent mortar adhesion properties
- Over 20 years' proven reliability
- Excellent performance under high compressive loads
- Tough and durable with excellent flexibility
- BBA Certification

| Roll Dimensions | |
|-------------------|------------------------|
| Nominal Thickness | 1.6mm |
| Nominal Weight | 1.25 kg/m ² |
| Roll Length | 20m |
| Roll Width | 100mm to 1000mm |



Pluvex 1 & 2 DPC



Pluvex are widely used in domestic construction and grades may be chosen to replace High Performance DPCs.

These bituminous damp proof courses conform to BS 6398:1983.

They can be used in lightly loaded situations to avoid extrusion as horizontal DPCs. Pluvex DPCs are suitable for damp proofing constructions with either solid or cavity walls.

Pluvex No.1 is hessian-based

Pluvex No.2 is fibre-based.

| Dimensions | Pluvex 1 | PLuvex 2 |
|------------|-----------------------|-----------------------|
| Weight | 3.9 kg/m ² | 3.4 kg/m ² |
| Roll Size | 8m x 75mm-1.0m | 8m x 75mm-1.0m |



Hyload Mortarmatch DPC



Hyload MortarMatch is a polymeric DPC material ideal for damp-proofing walls in brick, block, stonework or concrete in both solid or cavity wall constructions. It can be used in vertical, horizontal and cavity tray positions. Hyload MortarMatch is resistant to compression even under the heaviest of wall loadings, as well as being very easy to handle and install.

Hyload MortarMatch holds British Board of Agreement certificate number 95/3133

- Substantially greater tensile strength and elongation
- Improved tear strength
- Improved puncture resistance
- Improved flexibility
- Mortar coloured / stonework coloured
- Complete Hyload MortarMatch DPC system

| Roll Dimensions | |
|-------------------|------------------------|
| Nominal Thickness | 1.12mm |
| Nominal Weight | 1.47 kg/m ² |
| Roll Length | 20m |
| Roll Width | 100mm to 1000mm |

Hyload DPC Jointing System

Hyload DPC Joint Support System offers all the components to joint DPCs, cavity trays and preformed units, providing rigid support and allowing applied pressure to create a waterproof joint

| DPC Accessories | |
|-------------------|--------------------|
| DPC Jointing Tape | 100mm x 10m |
| DPC Fixing Strip | 25mm x 2mm x 2m |
| DPC Fixing Pins | 150 per box |
| DPC Lap Adhesive | 500ml |
| DPC Mastic | 400ml & 2.5 Litres |



**Anderson
Monarflex**



Xtra-Load Nubit DPC

Nubit is a continuous sheet DPC material capable of withstanding the loading applied by brickwork, blockwork or stonework walls up to three storeys. Nubit may be used as a horizontal dpc or as a cavity tray. Nubit exceeds the minimum standard set by BS6398:1983 Type A.



- Suitable for residential, commercial or industrial projects.
- Preferred use: Horizontal ground DPC or cavity tray.
- Can be torch applied horizontally or vertically.

Roll Dimensions

| | |
|----------------|-----------------------------------|
| Surface Finish | Sand Finished surface, both sides |
| Roll Length | 8m |
| Roll Width | 100 - 1000mm |
| Thickness | 2mm |

**Anderson
Monarflex**



Xtra-Load Alumite DPC

A High Performance Gas Resistant Polymer Modified Bitumen DPC with an Aluminium Core, 3mm thick, available in a range of widths from 100mm to 1m x 8m long.



Xtra-Load Alumite DPC's are manufactured on strong polyester reinforcement with SBS modified bitumen on both sides and finished with a fine silica sand on both sides enhancing mortar adhesion

- Good tensile strength and resistant to tearing
- Use in low and medium compressive load situations
- Compatible with all forms of DPM
- Excellent mortar adhesion
- Compatible with Xtra-Load Pre-formed Cavity Tray Units
- Gas Resistant

Roll Dimensions

| | |
|----------------|-----------------------------------|
| Surface Finish | Sand Finished surface, both sides |
| Roll Length | 8m |
| Roll Width | 100 - 1000mm |
| Thickness | 3mm |

SOLCO



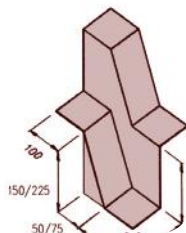
SOLCOURSE Cavity Trays

The Solcourse preformed cavity trays are part of the DPC system which ensure continuity of protection at difficult changes of level, corners and penetrations and also ensure gas tightness in the Gas Protection Systems. Since they are preformed they reduce time and provide a simplified method of installation.

Cavity trays are available in a range of colours to suit facing brickwork or stonework and as well as the range of standard profiles, special units are also available upon request.

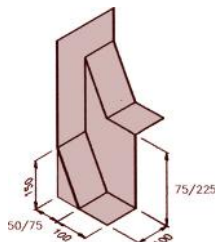
BS5268 Part 3 stipulates that where awkward junctions occur in the building or there are protrusions within the cavities such as columns, steel supports these profiles should be formed from factory welded preformed units and not cut and stuck on site.

Type 1 Change of Level Unit



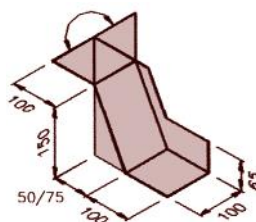
| Cavity Size | Step on Face |
|-------------|--------------|
| 150/50 RH | 75mm |
| 150/50 LH | 75mm |
| 150/75 RH | 75mm |
| 150/75 LH | 75mm |
| 150/50 RH | 225mm |
| 150/50 LH | 225mm |
| 150/75 RH | 225mm |
| 150/75 LH | 225mm |

Type 2 Change of Level Unit



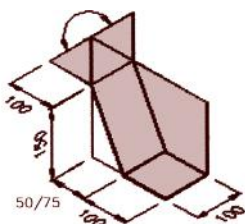
| Cavity Size | Step on Face |
|-------------|--------------|
| 150/50 | 75mm |
| 150/75 | 75mm |
| 150/50 | 225mm |
| 150/75 | 225mm |
| 225/50 | 75mm |
| 225/75 | 75mm |
| 225/50 | 225mm |
| 225/75 | 225mm |

Type 3 Stop End Surface Fix



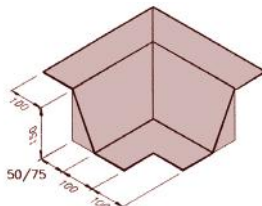
| Cavity Size | Step on Face |
|-------------|--------------|
| 150/50 | 10RH + 10LH |
| 150/75 | 10RH + 10LH |
| 225/50 | 10RH + 10LH |
| 225/75 | 10RH + 10LH |

Type 4 Column Stop End



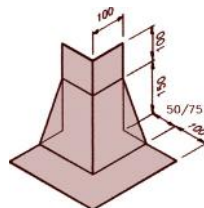
| Cavity Size | Step on Face |
|-------------|--------------|
| 150/50 | 10RH + 10LH |
| 150/75 | 10RH + 10LH |
| 225/50 | 10RH + 10LH |
| 225/75 | 10RH + 10LH |

Type 5 Internal / External Corner



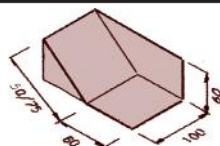
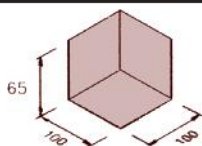
| Cavity Size |
|-------------|
| 150/50 |
| 150/75 |
| 225/50 |
| 225/75 |

Type 6 External Corner



| Cavity Size |
|-------------|
| 150/50 |
| 150/75 |

Type 7 Internal Corner / Stop End

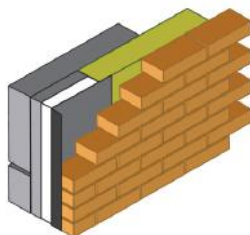


Size
100/60
50 or 75 Angle Length

Size
100/65

**SOLCO****Solcourse Insulated DPC**

The Solcourse Insulated DPCs are a polyethylene insulated DPC which has been developed to close masonry cavities for thermal applications. The primary reason for fitting the Solcourse Insulated DPC is to close off cavities around window and doors preventing cold bridging. Can easily be installed as the brick and block work progresses where a traditional block return is used.

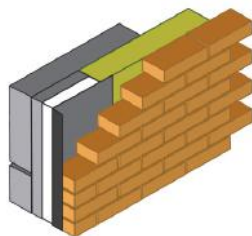


- Closes off cavities when a block return is used
- Easy to install
- Exceeds the minimum requirement of 0.45 m² K/M provided the window is set back 30mm from the inner face of the outer skin.
- Prevents cold bridging
- Manufactured to NHBC standards

| Solcourse Insulated DPC | |
|-------------------------|--------------------------|
| Polyethylene Insulation | Polyethylene DPC |
| 17mm x 100mm x 10m coil | 165mm width x 10 m coil. |
| 17mm x 140mm x 10m coil | 225mm width x 10 m coil. |

SOLCO**Solcourse High Performance Insulated DPC**

The Solcourse High Performance Insulated DPC has been developed to close masonry cavities for thermal applications. The primary reason for fitting the Solcourse Performance Insulated DPC is to close off cavities around window and doors preventing cold bridging. Can easily be installed as the brick and block work progresses where a traditional block return is used.

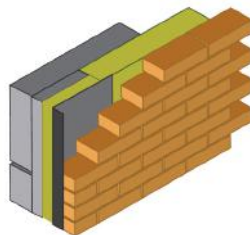


- DPC conforms to the requirements of BS 6515
- Complies with Part L Building Regulations providing the window is set back 30mm and thermally efficient materials are used in the build
- Conforms to the requirement of NHBC and BRE guidelines for thermal insulation

| Solcourse HP Insulated DPC | |
|----------------------------|--------------------------|
| Polyethylene Insulation | Polyethylene DPC |
| 17mm x 100mm x 10m coil | 165mm width x 10 m coil. |
| 17mm x 140mm x 10m coil | 225mm width x 10 m coil. |

SOLCO**Solcourse Fire Rated Insulated DPC**

The Solcourse Fire Rated Insulated DPC has been developed to close masonry cavities for thermal, acoustic and fire applications. The primary reason for fitting the Solcourse Insulated DPC is to close off cavities around window and doors preventing cold bridging. Can easily be installed as the brick and block work progresses where a traditional block return is used.



- 4 hours fire integrity - Warrington Fire Research test
- DPC conforms to the requirements of BS 6515
- Exceeds the min requirement of 0.45 W/mk
- Meets Part B and Part L of the building regs

| Solcourse FR Insulated DPC | |
|----------------------------|--------------------|
| Polyethylene Insulation | Polyethylene DPC |
| 25mm x 100mm x 1.2m | 165mm width x 1.3m |
| 25mm x 150mm x 1.2m | 225mm width x 1.3m |

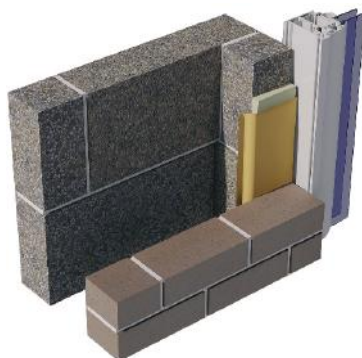





Hyload Insulated DPC

Hyload Insulated DPC is a high performance DPC laminated to cross-linked polyethylene foam insulation. Hyload Insulated DPC will minimise cold bridging when used within closing structure in masonry cavity walls around openings.

The use of insulated DPC enables the cavity to be closed in the traditional way, while conforming to the requirements of Building Regulations - Approved Document L and new Robust Details Document. Hyload Insulated DPC also conforms to the requirement of NHBC and BRE guidelines 'Thermal insulation: avoiding risks'.

- Superior thermal resistance
- BBA Approval, Agrément Certificate No. 97/3310
- Flexible HP DPC superior to polyethylene DPC
- Insulation remains flexible when bent, will not crack
- Uniformly maintains thermal properties and does not allow thermal leakage
- Exceptionally easy to handle
- Special sizes available



| Hyload Insulated DPC | Hyload 165 | Hyload 180 | Hyload 225 |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |
| Roll length (m) | 8 | 8 | 8 |
| Roll width (mm) | 165 | 180 | 225 |
| Insulation width (mm) | 100 | 100 | 140 |
| Insulation thickness (mm) | 17 | 17 | 17 |
| BBA Cert. No. | 97/3310 | 97/3310 | 97/3310 |



Hyload Fire Rated Insulated DPC

Hyload FR Insulated DPC meets building regulations where fire resistance is a requirement, achieving a minimum of 30 minutes resistance. Safe and easy to install, it has been developed to minimise cold bridging when closing masonry cavity walls around openings in line with current and proposed fire regulations.



Technical Data Hyload FR Insulated DPC - 1.3m Length Strips

| DPC width | Insulation Size | Units per pack | Selvage width |
|-----------|-----------------|----------------|---------------|
| 165mm | 100 x 20mm | 10 lengths | 32.5 mm |
| 180mm | 100 x 20mm | 10 lengths | 40 mm |
| 225mm | 140 x 20mm | 10 lengths | 42.5 mm |



Optima Masonry Support System

AnconOptima is a bracket angle masonry support system. Systems comprise laser-cut brackets, two-step angles with pre-marked fixing zones and locking wedges to ensure the correct contact is achieved between the two.

Standard systems, referenced AnconOptima 10, 12 and 14, support an unfactored masonry load of up to 10kN, 12kN and 14kN per metre respectively.

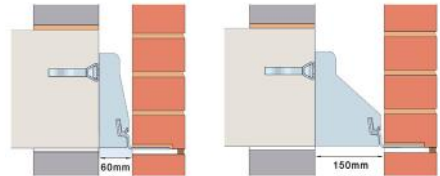
The brackets used across the three standard systems are universal and are available to suit cavities from 60mm to 150mm (stocked in 5mm increments).

Depending on the fixing type, brackets are simply changed on site to allow for cavity variations.



Benefits of Standard Systems

- More adjustable than welded bracket systems
- Specified by using simple load/cavity charts
- No requirement for detailed layout drawings
- Supplied from stock
- Faster to install
- Easier to move around site
- Unused items can be used on the next project

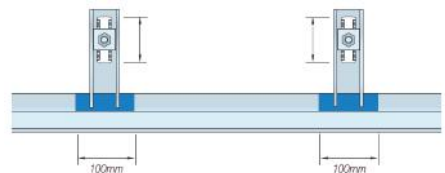


Standard brackets suit cavities from 60mm to 150mm

Adjustment

AnconOptima angles have a 100mm pre-marked fixing zone which provides 50mm horizontal adjustment. If fixing into concrete with expansion bolts, the bracket can be moved to eliminate clashes between the bolts and reinforcing bars.

Horizontal adjustment can be increased by fixing the system to an Ancon channel cast into the face of the concrete. If fixing to steelwork, the brackets can be moved to align with the location of a hole, negating the need for a more expensive horizontal slot to be provided.



Ancon Optima Adjustment

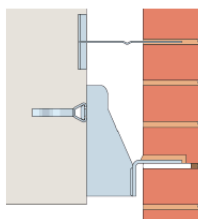
Ancon Optima Systems

| System | Maximum Unfactored Load (kN/m) | Angle Length (mm) | Nominal Length (including 10mm gap between angles) (mm) | Fixing Colour Zone | Bracket Position (mm) |
|----------------|--------------------------------|-------------------|---------------------------------------------------------|--------------------|-----------------------|
| AnconOptima 10 | 10 | 990 | 1000 | Red | 500 centres |
| AnconOptima 12 | 12 | 990 | 1000 | Green | 500 centres |
| AnconOptima 14 | 14 | 790 | 800 | Blue | 400 centres |

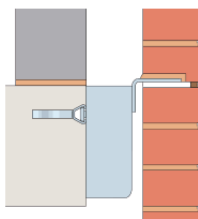
MDC Masonry Support System

Ancon MDC Bracket Angle Support Systems (Patent No. 2 249 816) can carry over 8 metres of brickwork and accommodate any width of cavity from 40mm in its standard form. The brackets are welded to the angle and the material content of both components is optimised to ensure the most economic solution is designed.

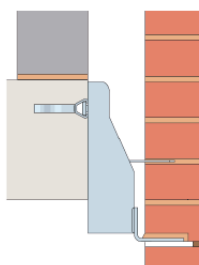
There are several variations of the standard MDC System that allow the support angle to be positioned anywhere from the top of the bracket to a position below the bottom of the bracket.



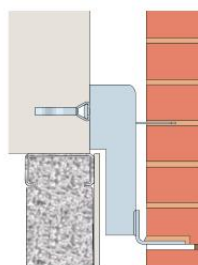
MDC/R Support System



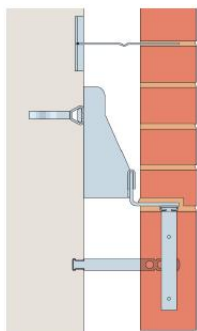
MDC/I Support System



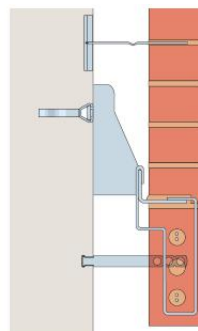
MDC/P Support System



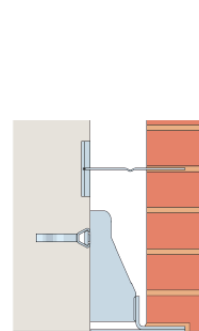
MDC/P/NB Support System



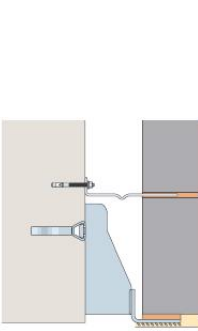
MDC with 36/8 Channel and Hangers Supporting a Soldier Course



MDC with Stirrups Supporting a Soldier Course



MDC with Closer Plate Welded to Underside

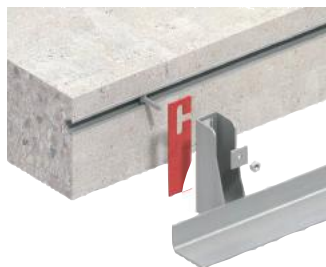


MDC with Expanded Metal Welded to Underside

Adjustment

Adjustment is provided in every direction to allow for tolerance in the structural frame. The serrated and slotted face of the bracket allows for vertical adjustment. Cast-in channel will provide virtually unlimited horizontal adjustment; slotted holes in a steel edge member will offer more limited adjustment. Shims can be included between the bracket and the frame up to a maximum thickness of the outside diameter of the fixing bolt, or 16mm, whichever is less.

When used, the 3mm thickness of an Ancon Thermal Break should be taken into account when calculating the maximum shimming allowance for a system.





Masonry Support System

The Masonry Support System can all be customised to suit the requirements of your project, ensuring the best performance and the most cost effective solution, there are a wide range of fixings and ancillaries to support this system.

There are 4 main components to the system which comprise:

- **VEAS Masonry Support Angle**
- **VEIB & VEIBS Individual Bracket Masonry Support**
- **VESS Masonry Support System**
- **VESB Stone Support Brackets**

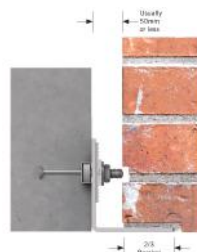


VEAS Masonry Support Angle

Vista Masonry Support Angles are suitable for applications where the cavity does not exceed 50mm or where the underside of the masonry panel is exposed and the cavity needs to be closed.

Support angles can be designed for walls with cavities larger than 50mm but the VESS Support System is usually a more economical option.

Vista design each system separately ensuring the most cost effective solution is achieved for any given criteria. The angle design itself is dependent on load, cavity, fixing type and the support level position



VEIB & VEIBS Individual Bracket Masonry Support

Vista Masonry Support Systems comprise of brackets welded to continuous angles at pre-designated fixing centres. They are suitable for cavities in excess of 45mm.

Support systems are 'tailor made' to suit every individual application ensuring cost effective design solutions for every masonry support requirement.

Adjustment - The brackets offer up to +/- 30mm vertical adjustment by utilising an 18 x 70 vertical slot in conjunction with a welded serrated pad. The welded serrated pad stops any potential slip.



VESS Masonry Support System

Vista Individual Masonry Support Brackets are generally used when use of continuous support is difficult to achieve such as curved brickwork or where masonry is supported from above such as soldier courses. Individual brackets are designed for each specific application ensuring the most cost effective solution for any given loading criteria.

Adjustment - The use of welded serrated pads and punched vertical slots on both the angle and system type brackets offers up to +/- 30mm vertical adjustment.



VESB Stone Support Brackets

Wherever possible the recommendations in BS8298-1,-2,-3,-4:2010 "Code of Practice for the Design and Installation of Natural Stone Cladding and Lining" are used as the basis for our design. The document discusses recommendations on all aspects of natural stone support ranging from materials to fixing positions and required bearings. In the case of cast stone units, the fixing options are increased as cast-in fixings may also be considered.

Adjustment - The use of welded serrated pads and punched vertical slots on both the angle and brackets offers up to +/- 30mm vertical adjustment.





Windpost & Parapet Post Support System

Vista Windpost and Parapet Post range provides support to masonry large panels with openings which can be difficult to justify structurally and which are subject to higher lateral loads. Windpost support systems remove the need for extra columns or an increase in wall thickness.

VEW1 Windposts

The VEW1 range of windposts are of angle section where the inner leg 'A' of the post is built into the inner leaf with the return leg 'B' sitting in the cavity. Vista VEW1 Windposts are generally used for heavily loaded conditions or for small cavities where the Vista VEW2 type post may not fit.



VEW2 Windposts

The Vista VEW2 range of windposts are of channel section where the post sits in the cavity of the wall, they are generally used for lighter load conditions than the Vista VEW1 type posts.

The use of a Vista VEW2 Windpost is governed by the size of the cavity and the load to be supported i.e. it may not be possible to increase the section of the post and therefore its load capacity due to the size of the cavity. In the case of cast stone units the fixing options are increased as cast-in fixings may also be considered.



VEW1 & VEW2 Parapet Posts

Parapet and spandrel posts are designed as cantilevers and are available in both the Vista VEW1 and Vista VEW2 section types. Larger base connections will be required to resist the 'bending moment' and careful consideration of the plate, fixings and base structure is required to ensure the post resists the applied loading.

For further information on alternative Vista VEW1&2 Parapet Post sections and loadings, please contact Bluebay.



VEW3 Spline Posts

VEW3 Spine Posts add strength and stability to single leaf walls without protruding beyond the width of the blockwork. In this way, decorative wall surfaces and 'fair faced' finishes are possible without compromising on safety. Although the width of VEW3 Spine Posts is limited by the width of the masonry (we recommend they sit within the wall by at least 10mm either side), the thickness of the post itself can be increased to add to its load capacity.

For further information on alternative Vista VEW3 Spline Post sections and loadings for posts designed as propped cantilevers, please contact Bluebay.



Vista WPT2

Spine posts are tied in using Vista WPT2 ties. These are usually supplied 200mm long and can be ordered with a debonding sleeve for spine posts being used at movement joint locations.





AMR Reinforcement Mesh

Ancon AMR is used to improve the structural performance of masonry walls, in accordance with BS5628-2: 2005, by providing additional resistance to lateral loads e.g. wind.

It can also be used to reduce the risk of cracking either at stress concentrations around openings or as a result of movement. Ancon AMR suits a wide range of structural load conditions and wall widths. Also available as galvanised.



| AMR - Stainless Steel (2.7m Lengths / 20 per pack) | |
|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| Wall Size | AMR Reference |
| 102mm Brickwork or 100/125mm Blockwork | AMR/S/D3.0/W60 AMR/S/D4.0/W60 AMR/S/D5.0/W60 |
| 140mm or 150mm Blockwork | AMR/S/D3.0/W100 AMR/S/D4.0/W100 AMR/S/D5.0/W100 |
| 190mm or 200mm Blockwork | AMR/S/D3.0/W150 AMR/S/D4.0/W150 AMR/S/D5.0/W150 |
| 215mm Blockwork | AMR/S/D3.0/W175 AMR/S/D4.0/W175 AMR/S/D5.0/W175 |
| Note: Product references shown are for stainless steel reinforcement. For galvanised steel 'S' should be replaced with 'G'. | |

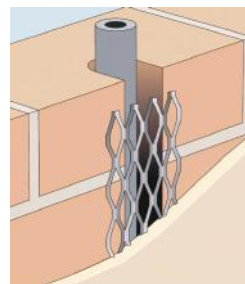


Brickwork Coil Reinforcement Mesh

Coil Mesh Galvanised

Exmet Galvanised mesh reinforcement for plaster and asphalt, over wall chases and for keying smooth surfaces.

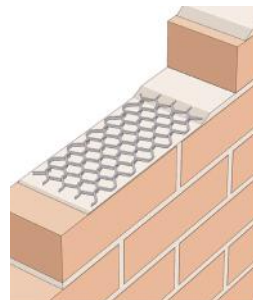
| Technical Data | |
|----------------|-------|
| Roll Size | Width |
| 20m | 65mm |
| 20m | 115mm |
| 20m | 175mm |
| 20m | 225mm |
| 20m | 305mm |



Coil Mesh Stainless Steel

Reinforcement for brickwork and blockwork, increasing the resistance to cracking.

| Technical Data | |
|----------------|-------|
| Roll Size | Width |
| 20m | 65mm |
| 20m | 115mm |
| 20m | 175mm |
| 20m | 225mm |





Masonry Reinforcement

Brickforce - Masonry Reinforcement

Structural Brickforce is manufactured in 5 diameters, and with this range of sizes it is possible to get closer to the optimum solution, thus reducing material costs.

This flexibility gives the design Engineer the ability to save on other materials. For example, wind posts can be designed out, top rails removed in laterally loaded panels and minimum wall widths maintained. Brickforce is manufactured with CARES approval.



Important Notes:

Galvanised supplied:
bundles of 25, 2.7m Long

Stainless Steel supplied:
bundles of 20 strips, 2.7m long.

Brickforce is now produced with a characteristic tensile strength of 500 N/mm.

Brickforce - Galvanised

| Wire Size | Width(s) |
|-----------|------------------------|
| 3.0mm | 60 / 100 / 150 / 175mm |
| 3.58mm | 60 / 100/ 150 / 175mm |
| 4.0mm | 60 / 100 / 150 / 175mm |
| 4.5mm | 60 / 100 / 150 / 175mm |
| 5.0mm | 60 100 / 150 / 175mm |

Brickforce - Stainless Steel

| Wire Size | Width(s) |
|-----------|------------------------|
| 3.0mm | 60 / 100 / 150 175mm |
| 3.58mm | 60 / 100/ 150 / 175mm |
| 4.0mm | 60 / 100 / 150 / 175mm |
| 4.5mm | 60 / 100 / 150 / 175mm |
| 5.0mm | 60 100 / 150 / 175mm |

Bricktor - Masonary Reinforcement

Bricktor is ideal for bonding and strengthening brickwork, blockwork and stone walls. Manufactured from high tensile wire woven into a mesh, the longitudinal wires are in the ideal position to take up tensile forces along the wall.

Available in either stainless steel or galvanised finish in roll sizes of 25m and 75m, Bricktor lies flat in the bed joint and due to its structure will not try to re-curl when unrolled. Safe to handle with no sharp edges, Bricktor is simple to cut and shape around corners and wall intersections.

Galvanised Bricktor is for use in internal walls only. For external walls (including inside leaf of cavity wall) stainless steel Bricktor must be used.



Bricktor - Galvanised

| Roll Size | Width(s) |
|-----------|------------------------|
| 25m | 65 / 110 / 155 / 180mm |
| 75m | 65 / 110 / 155 / 180mm |

Bricktor - Stainless Steel

| Roll Size | Width(s) |
|-----------|------------------------|
| 25m | 65 / 110 / 155 / 180mm |
| 75m | 65 / 110 / 155 / 180mm |


Ancon
 Building Products

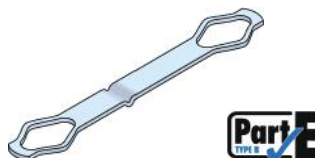
Cavity Wall Tie Range

ST1 - conforms to BS 5628-1 as a Type 1 Tie



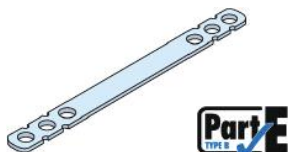
| | | |
|-------|--------------------|---------|
| 200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 250 |
| 275mm | up to 150mm cavity | Box 250 |
| 300mm | up to 175mm cavity | Box 250 |

SD1 - conforms to BS 5628-1 as a Type 1 Tie



| | | |
|-------|--------------------|---------|
| 200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 250 |
| 275mm | up to 150mm cavity | Box 250 |
| 300mm | up to 175mm cavity | Box 250 |

SPS - conforms to BS 5628-1 as a Type 1 Tie



| | | |
|-------|--------------------|---------|
| 150mm | up to 75mm cavity | Box 250 |
| 200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 250 |
| 275mm | up to 150mm cavity | Box 250 |
| 300mm | up to 175mm cavity | Box 250 |

PPS - (sleeve not included)



| | |
|-------|---------|
| 150mm | Box 250 |
| 200mm | Box 250 |
| 225mm | Box 250 |
| 250mm | Box 250 |
| 275mm | Box 250 |

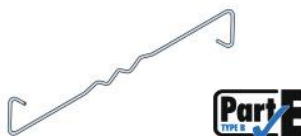
HRT4 - conforms to EN 845-1 and BS 5628-1 as a Type 4 Tie



| | | |
|-------|--------------------|---------|
| 200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 250 |
| 275mm | up to 150mm cavity | Box 250 |

Suitable for party walls

RT2 - conforms to EN 845-1 and BS 5628-1 as a Type 2 Tie



| | | |
|-------|--------------------|---------|
| 200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 125 |
| 275mm | up to 150mm cavity | Box 150 |

Ancon
Building Products

Cavity Wall Tie Range

Double Triangle



| | | |
|---------|--------------------|---------|
| *150mm | up to 75mm cavity | Box 250 |
| *200mm | up to 75mm cavity | Box 250 |
| *225mm | up to 100mm cavity | Box 250 |
| **250mm | up to 125mm cavity | Box 250 |
| **300mm | up to 175mm cavity | Box 250 |

* EN 845-1 and BS 5628-1 as a Type 2 Tie

**EN 845-1 and BS 5628-1 as a Type 3 Tie

Butterfly Tie



| | | |
|-------|--------------------|---------|
| 200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 250 |

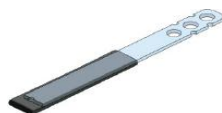
Hammer-in Ties



all cavities up to
150mm

Each

PPP - (sleeve not included)



As PPS but without holes

| | |
|-------|---------|
| 150mm | Box 250 |
| 200mm | Box 250 |
| 250mm | Box 250 |
| 300mm | Box 250 |

SHX



| | |
|-------|---------|
| 125mm | Box 250 |
| 150mm | Box 250 |
| 200mm | Box 250 |
| 250mm | Box 250 |

PHX



| | |
|-------|---------|
| 125mm | Box 250 |
| 150mm | Box 250 |
| 200mm | Box 250 |
| 250mm | Box 250 |

2 Part Tie (inner section 170mm)



| | |
|----------------------|---------|
| to suit cavity 125mm | Box 250 |
| to suit cavity 150mm | Box 250 |
| to suit cavity 175mm | Box 250 |
| to suit cavity 200mm | Box 250 |
| to suit cavity 225mm | Box 250 |
| to suit cavity 250mm | Box 250 |
| to suit cavity 275mm | Box 250 |
| to suit cavity 300mm | Box 250 |

Universal Insulation Clips



Box 250

Gauge Tape



33m Rolls (36 per box)

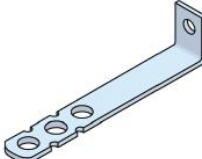
Ancon TeploTie Basalt Fibre Wall Ties



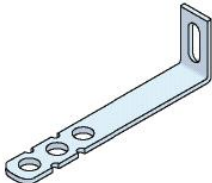
| Type | Cavity | Tie Length |
|------|------------------------------|-------------------------------------|
| 1 | 50-150 | 200 - 275 |
| 2 | 50-125 126-200 201-300 | 200 - 250 275 - 325 350 - 425 |
| 4 | 50-125 | 200 - 250 |





SPB

| | | |
|-----------------------------------------------------------------------------------|-------|---------|
|  | 75mm | Box 250 |
| | 100mm | Box 250 |
| | 125mm | Box 250 |
| | 150mm | Box 250 |
| | 175mm | Box 250 |
| | 200mm | Box 250 |
| | 225mm | Box 250 |

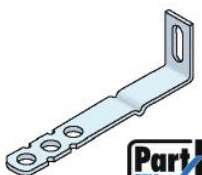

SPV

| | | |
|-----------------------------------------------------------------------------------|-------|---------|
|  | 75mm | Box 250 |
| | 100mm | Box 250 |
| | 125mm | Box 250 |
| | 150mm | Box 250 |
| | 175mm | Box 250 |
| | 200mm | Box 250 |
| | 225mm | Box 250 |

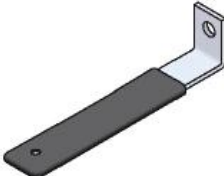
SDB

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|
|   | 100mm | Box 250 |
| | 125mm | Box 250 |
| | 150mm | Box 250 |
| | 175mm | Box 250 |
| | 200mm | Box 250 |
| | 225mm | Box 250 |

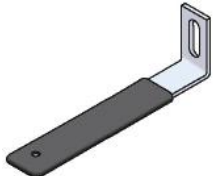
SDV

| | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|
|   | 100mm | Box 250 |
| | 125mm | Box 250 |
| | 150mm | Box 250 |
| | 175mm | Box 250 |
| | 200mm | Box 250 |
| | 225mm | Box 250 |



PPB - (Sleeve not included)

| | | |
|------------------------------------------------------------------------------------|-------|---------|
|  | 75mm | Box 250 |
| | 100mm | Box 250 |
| | 125mm | Box 250 |
| | 150mm | Box 250 |
| | 175mm | Box 250 |
| | 200mm | Box 250 |
| | 225mm | Box 250 |



PPV (Sleeve not included)

| | | |
|------------------------------------------------------------------------------------|-------|---------|
|  | 75mm | Box 250 |
| | 100mm | Box 250 |
| | 125mm | Box 250 |
| | 150mm | Box 250 |
| | 175mm | Box 250 |
| | 200mm | Box 250 |
| | 225mm | Box 250 |

SRB


| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|
|   | 125mm | Box 250 |
| | 150mm | Box 250 |
| | 175mm | Box 250 |
| | 200mm | Box 250 |
| | 225mm | Box 250 |


WHX/WDX


| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------|
|   | 125mm | Box 250 |
| | 150mm | Box 250 |
| | 175mm | Box 250 |
| | 200mm | Box 250 |
| | 225mm | Box 250 |




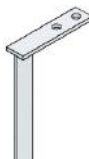
Anchor stems are normally provided with a standard stem length of 500 mm in stainless steel. Standard configurations are shown below, please clearly state the measurements when ordering.

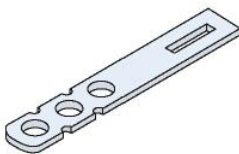
| SAH-UT 25 x 5 - 160mm Standard Head | |
|-----------------------------------------------------------------------------------|-------|
|  | 340mm |
| | 400mm |
| | 450mm |
| | 500mm |
| | 600mm |


| SAH-U 25 x 5 - 40mm Standard Head | |
|-----------------------------------------------------------------------------------|-------|
|  | 340mm |
| | 400mm |
| | 450mm |
| | 500mm |
| | 600mm |

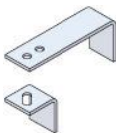
| SAH-T 25 x 5 - 38mm Standard Head | |
|-----------------------------------------------------------------------------------|-------|
|  | 340mm |
| | 400mm |
| | 450mm |
| | 500mm |
| | 600mm |




| SAH-UF 25 x 5 - Edge Fixed, 35 x 25 | |
|-----------------------------------------------------------------------------------|-------|
|  | 340mm |
| | 400mm |
| | 450mm |
| | 500mm |
| | 600mm |

| SAH-U0 25 x 5 - 160mm Standard Head | |
|------------------------------------------------------------------------------------|-------|
|  | 340mm |
| | 400mm |
| | 450mm |
| | 500mm |
| | 600mm |

| SPI Ties to suit | |
|------------------------------------------------------------------------------------|-------|
|  | 100mm |
| | 135mm |
| | 150mm |
| | 190mm |

| SIS Ties to suit | |
|-------------------------------------------------------------------------------------|-------|
|  | 200mm |
| | 230mm |
| | 300mm |
| | |

| Frame Head Restraints | |
|-------------------------------------------------------------------------------------|----------------------------|
|  | 100mm Block |
| | 140mm Block |
| | Special 100/140mm Block |

| Internal Head Restraints | | |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |
| IHR-B (held to suit M8 Bolt) | IHR-C (notched to suit 3817) | IHR-V (slotted to suit M8 Bolt) |



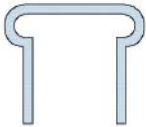
Ancon

Building Products

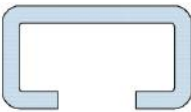
Channel Systems

A wide range of suitable ties are available, please ask when specifying channel type


21/18 Omega c/w infill

|  | Length |
|-----------------------------------------------------------------------------------|--------|
| | 100mm |
| | 3000mm |
| | |
| | |

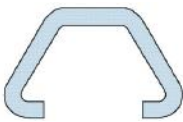
28/15 c/w anchors & infill

|  | Length |
|-----------------------------------------------------------------------------------|--------|
| | 100mm |
| | 150mm |
| | 200mm |
| | 3000mm |

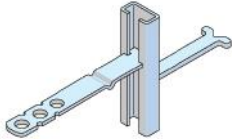
38/17 c/w anchors & infill

|  | Length |
|-----------------------------------------------------------------------------------|--------|
| | 100mm |
| | 150mm |
| | 200mm |
| | 3000mm |

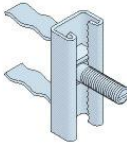
30/20 c/w anchors & infill

|  | Length |
|-----------------------------------------------------------------------------------|--------|
| | 100mm |
| | 150mm |
| | 200mm |
| | 3000mm |

28/15 Fastrack (excl SD28 tie)

|  | Length |
|-----------------------------------------------------------------------------------|--------|
| | 100mm |
| | 150mm |
| | 200mm |
| | 3000mm |

Anconlock

|  | Length |
|-----------------------------------------------------------------------------------|--------|
| | 100mm |
| | 150mm |
| | 200mm |
| | 3000mm |



Channel Systems

Steel Frame Channel 25/14

|  | Length |
|-------------------------------------------------------------------------------------|--------|
| | 2700mm |
| | |

Dove Tail Slot Channel

|  | Length |
|-------------------------------------------------------------------------------------|--------|
| | 100mm |
| | 150mm |
| | 3000mm |


28/15 Slotted Back Channel

|  | Length |
|-------------------------------------------------------------------------------------|--------|
| | 100mm |
| | 150mm |
| | 3000mm |

28/15 Tanged Back Channel

|  | Length |
|-------------------------------------------------------------------------------------|--------|
| | 100mm |
| | 150mm |
| | 3000mm |

Dove Tail Safety Tie

| | |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
|  | 75-300mm |
| | This tie to be used with all Bluebay channel systems and Vista V29 slot to restrain brickwork |

28/15 Plain Back Channel

| | |
|-------------------------------------------------------------------------------------|--------|
|  | 100mm |
| | 150mm |
| | 3000mm |



Masonry to Masonry Wall Ties

VE4 - Stainless Steel Type 4 Housing Ties



| | | |
|-------|--------------------|---------|
| 200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 250 |
| 275mm | up to 150mm cavity | Box 250 |

EN2 - Stainless Steel Type 2 General Purpose Ties



| | | |
|-------|--------------------|---------|
| 200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 250 |

VST1 - Stainless Steel Type 1 Heavy Duty Ties



| | | |
|-------|--------------------|---------|
| 200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 250 |
| 275mm | up to 150mm cavity | Box 250 |
| 300mm | up to 150mm cavity | Box 250 |

VE1 - Stainless Steel Heavy Duty Vert. Twist Ties



| | | |
|-----------|--------------------|---------|
| 150mm | up to 75mm cavity | Box 250 |
| 200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 250 |
| 275/300mm | up to 150mm cavity | Box 250 |

VS4 - Stainless Steel Heavy Duty Flat Safety Ties



| | | |
|-----------|--------------------|---------|
| 150/200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 250 |
| 275/300mm | up to 150mm cavity | Box 250 |

VS6 - Stainless Steel HD Dripped Safety Ties



| | | |
|-----------|--------------------|---------|
| 150/200mm | up to 75mm cavity | Box 250 |
| 225mm | up to 100mm cavity | Box 250 |
| 250mm | up to 125mm cavity | Box 250 |
| 275/300mm | up to 150mm cavity | Box 250 |

NEUTRAS - Low Thermal Conductivity Wall Ties



Type

Cavity

Tie Length

1

75-150

200 - 275

2

75-300

200 - 425

4

75-175

200 - 300

NEUTRAS wall ties have both low thermal conductivity and high structural performance levels. This means they can be excluded from the current U value calculations in EN ISO 6946 and provide a credible solution to new legislation requirements.



Masonry to Masonry Wall Ties

V01 - Stainless Steel Butterfly Wall ties (previously BS1243)



| | |
|-------|------------|
| 150mm | Bundle 250 |
| 200mm | Bundle 250 |
| 225mm | Bundle 250 |
| 250mm | Bundle 250 |
| 300mm | Bundle 250 |

V26 - Stainless Steel Double Triangle Wall ties



| | |
|-------|------------|
| 150mm | Bundle 250 |
| 200mm | Bundle 250 |
| 225mm | Bundle 250 |
| 250mm | Bundle 250 |
| 300mm | Bundle 250 |

TPT - Two Part Ties



| | | |
|-------|--------------|---------|
| 300mm | 150mm cavity | Box 200 |
| 325mm | 175mm cavity | Box 200 |
| 350mm | 200mm cavity | Box 200 |
| 375mm | 225mm cavity | Box 100 |
| 400mm | 250mm cavity | Box 100 |
| 425mm | 275mm cavity | Box 100 |
| 450mm | 300mm cavity | Box 100 |

Universal Insulation Clip



| Sizes | Units | Per |
|----------|-------|-----|
| 75mm dia | 250 | Bag |
| 75mm dia | 1000 | Bag |



Movement Ties

SPE / V20 - Safety Plain End Tie / Blank (sleeve extra)



| | |
|-------|---------|
| 150mm | Box 250 |
| 175mm | Box 250 |
| 200mm | Box 250 |
| 225mm | Box 250 |
| 250mm | Box 250 |
| 300mm | Box 250 |

V63PE - Plain End Clasp Tie (sleeve extra)



| | |
|-------|---------|
| 150mm | Box 250 |
| 175mm | Box 250 |
| 200mm | Box 250 |
| 225mm | Box 200 |
| 250mm | Box 200 |
| 275mm | Box 250 |
| 300mm | Box 200 |

V8PE - Dove Tail Plain End Tie (sleeve extra)



| | |
|-------|---------|
| 75mm | Box 250 |
| 100mm | Box 250 |
| 125mm | Box 250 |
| 150mm | Box 250 |
| 175mm | Box 250 |
| 200mm | Box 250 |
| 225mm | Box 200 |
| 250mm | Box 200 |

V7PE - Plain End Frame Cramp (sleeve extra)



| | |
|-------------|---------|
| 75mm proj. | Box 250 |
| 100mm proj. | Box 250 |
| 125mm proj. | Box 250 |
| 150mm proj. | Box 250 |
| 175mm proj. | Box 250 |
| 200mm proj. | Box 250 |
| 225mm proj. | Box 200 |
| 250mm proj. | Box 200 |



Head Restraint & Timber Ties

| Timber Ties (boxes of 250) | Screw-in Ties | Head Restraints (boxes of 50) | |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |  |
| 125mm (50 - 75mm cavity) 175mm (100mm cavity) | 150mm (Sold Individually) | VIR - Internal -215mm | VHR - 100 / 140mm Blockwork VHR - 215mm Blockwork |



Lateral Restraint Products

| VE7 - Frame Cramp & VE7D Frame Cramp c/w Drip | | | VS7 - Frame Cramp & VS7D Frame Cramp c/w Drip | | |
|-------------------------------------------------------------------------------------|-------|---------|-------------------------------------------------------------------------------------|-----------|---------|
|  | 75mm | Box 250 |  | 75mm | Box 250 |
| | 100mm | Box 250 | | 100mm | Box 250 |
| | 125mm | Box 250 | | 125mm | Box 250 |
| | 150mm | Box 250 | | 150mm | Box 250 |
| | 175mm | Box 250 | | 175mm | Box 250 |
| | 200mm | Box 250 | | 200mm | Box 250 |
| | 225mm | Box 200 | | 225mm | Box 200 |
| | 250mm | Box 200 | | 250mm | Box 200 |
| V7H - Frame Cramp Dowel Hole | | | V96 - Wire Frame Cramp & V97 - Wire Clasp Tie | | |
|  | 75mm | Box 250 |  | 100mm V96 | Box 250 |
| | 100mm | Box 250 | | 125mm V96 | Box 250 |
| | 125mm | Box 250 | | 150mm | Box 250 |
| | 150mm | Box 250 | | 175mm | Box 250 |
| | 175mm | Box 250 | | 200mm | Box 250 |
| | 200mm | Box 250 | | 225mm | Box 200 |
| | 225mm | Box 200 | | 250mm | Box 200 |
| | 250mm | Box 200 | | | |
| VCT - Column Tie | | | V63 Clasp Tie | | |
|  | 145mm | Box 100 |  | 150mm | Box 250 |
| | | | | 175mm | Box 250 |
| | | | | 200mm | Box 250 |
| | | | | 225mm | Box 250 |
| | | | | 250mm | Box 250 |
| | | | | 275mm | Box 200 |
| | | | | 300mm | Box 200 |
| | | | | | |



Brickwork Masonry Reinforcement

Universal Wall Starter System

The Stainless Steel Wall Starter System joins new walls to existing masonry. Suitable for both internal and external brick or block walls, the connectors can be slotted together up to a maximum of 8 metres or 3 storeys high, from 60 to 250mm thick.

The pack contains the fixings necessary for a single leaf wall up to 2.4m.

| Wall Starter Pack contents |
|-------------------------------------------------|
| 2 no. wall connectors 1.2m long Stainless Steel |
| 5 no. Plugs, coach screws and washers |
| 10 no. wall connector ties, stainless steel |



Soffit Vent Mesh

A durable corrosion-resistant stainless steel mesh used at eaves vents to exclude birds and insects

| Soffit Mesh |
|-------------|
| 30m x 75mm |



Stainless Steel & Galvanised Riblath

A key for plastering and rendering rib-lath with its stiffening ribs provides a good key for deeper coatings of plaster or render. As well as being used for walls rib-lath can also be used for partitions and ceilings.

Fixed through the rib section with galvanised nails or around the rib with galvanised staples or tying wire.

| Stainless Steel & Galvanised Riblath |
|--------------------------------------|
| 2500mm x 600mm |

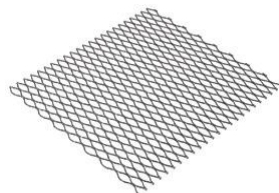


Stainless Steel & Galvanised Diamondlath

A key for plaster on suspended ceilings and walls this versatile product can also be used to encase steel columns and beams to assist in fire protection.

Use internally, fixed with galvanised nails, staples or tying wire.

| Galvanised Diamondlath |
|-----------------------------|
| 2438mm x 685mm x 26g |
| Stainless Steel Diamondlath |
| 2500mm x 700mm |



Steel Lintels


The range includes Cavity Wall Lintels, Single Wall Lintels, Special Lintels and Lintel Arches.

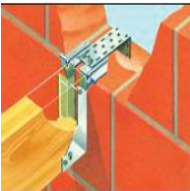
| Single Leaf / Solid Wall Lintels | | |
|----------------------------------|---------|--------------|
| Type | Ref | Length |
| Single Leaf / Solid | EXW90A | 750 - 2700mm |
| | EXW100C | 750 - 3000mm |




Our Special lintels section provides the designers an opportunity to use something out of the ordinary.


| Cavity Wall Lintels | | | |
|---------------------|--------|--------------|--------------|
| Type | Ref | Cavity Width | Length |
| Standard | EX50S | 50 - 75mm | 750 - 4800mm |
| | EX75S | 75 - 90mm | 750 - 4800mm |
| | EX95S | 95 - 110mm | 750 - 4800mm |
| Heavy Duty | EX75H | 75 - 90mm | 750 - 4200mm |
| | EX95H | 95 - 110mm | 750 - 4200mm |
| Extra Heavy Duty | EX75XH | 75 - 90mm | 750 - 2400mm |
| | EX95XH | 95 - 110mm | 750 - 2400mm |

| Standard Joist Hangers | |
|-----------------------------------------------------------------------------------|-------|
|  | Depth |
| | 100mm |
| | 125mm |
| | 150mm |
| | 175mm |
| | 200mm |
| | 225mm |
| | 250mm |
| Available Widths 38/50/63/75/100/125/150mm | |

| Return Flange Joist Hangers | |
|-----------------------------------------------------------------------------------|-------|
|  | Depth |
| | 100mm |
| | 125mm |
| | 150mm |
| | 175mm |
| | 200mm |
| | 225mm |
| | 250mm |
| Available Widths 38/50/63/75/100/125/150mm | |

| Speedy Joist Hangers (timber to timber) | |
|-----------------------------------------------------------------------------------|------------------|
|  | Depth |
| | Standard Leg |
| | Long Leg (450mm) |
| | Short Leg |
| Available Widths 38/50/63/75/100/125/150mm | |

| Mini Joist Hangers (timber to timber) | |
|-----------------------------------------------------------------------------------|-----------------------------|
|  | Depth |
| | Standard |
| | Available Widths 38/50mm |

| Girder Truss Shoes | |
|-----------------------------------------------------------------------------------|--------------------------------|
|  | Depth |
| | Standard |
| | Available Widths 38/50/75mm |


| Truss Clips | |
|-----------------------------------------------------------------------------------|-----------------------------|
|  | Depth |
| | Standard |
| | Available Widths 38/50mm |

| Herringbone Joist Strut | |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------|
|  | Available Size(s) 400mm centres 450mm centres 600mm centres |

| Multi Purpose Fixing Band | |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
|  | Available Size(s) 20mm (w) x 1.0mm (t) Galvansed Coil 20mm (w) x 1.0mm (t) Stainless Coil |

| Angle Brackets | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
|  | Available Size(s) 60mm x 40mm x 60mm 90mm x 90mm x 60mm 150mm x 90mm x 60mm 150mm x 150mm x 60mm |

| Galvanised Restraint Straps | |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Available Size(s) |
| | 30mm x 2.5mm x 1000mm (bent 100mm) |
| | 30mm x 5.0mm x 1000mm (bent 100mm) |
| | Restraint Fixing Straps are used for vertical and lateral restraint applications. Multi holed as standard, with 6mm holes, at 25mm c/c. Stainless also available WW |

| Universal Framing Anchor (Galvanised) | |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|  | Available Size(s) Left / Right Bend in Left / Right Bend out No Bends - Galvansed |

| Double Sided Timber Connectors | |
|-------------------------------------------------------------------------------------|----------------------------------------------|
|  | Available Size(s) 50mm Holed 12mm Bolt |

| Nailing Plates | | | |
|-------------------------------------------------------------------------------------|-------------------|-----------|-----------|
|  | Available Size(s) | | |
| | 75 x 50 | 100 x 50 | 150 x 50 |
| | 75 x 100 | - | - |
| | 75 x 150 | 100 x 150 | 150 x 150 |
| | 75 x 200 | 100 x 200 | 150 x 200 |
| | | | |



Remedial Crack Stitching System

The only fully certified helical crack-stitching system on the market.

A two component system consisting of stainless steel SureTwist Bar and SureGrout



Crack Stitching System Kit



Applications:

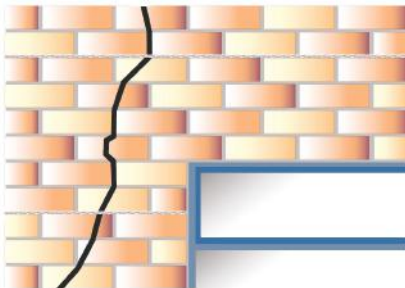
- A retro-reinforcement of bedjoint masonry
- A method of reconnecting cracked masonry

Benefits:

- SureTwist bar manufactured from 304 austenitic stainless steel, (316 available upon request)
- Non-disruptive repair method
- SureTwist bars and SureGrout provide excellent bonding characteristics within the masonry
- SureTwist Bars have a superb combination of axial strength and flexibility
- Absorbs further localised stress
- Minimises the likelihood of further cracking
- Eliminates the need to rebuild a wall
- Permanent repair
- A fast, cost effective and economical solution
- No special skills required for installation

Contents:

- 10 No 6mm x 1000mm SureTwist Bar
- 1 No 3 Ltr Tub of SureGrout
- 1 No Crack-Stitching Gun
- 1 No Stainless Steel Nozzle
- 1 No Mixing Paddle
- 1 No Finger Trowel





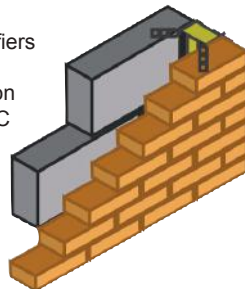
| | |
|---------------------------------------|----------------|
| Cavity Closers | 195 |
| Cavity Fire Stops | 196 |
| Insulated Cavity Closers | 197 |
| Cavity Trays | 198-199 |
| Cavity Trays / Ventilation | 199 |
| Ventilation | 200-201 |
| Joint Fillers & Fire Stops | 202-204 |
| Thermal Barriers | 205 |

SOLCO

Solcourse Cavity Closers

The Solcourse Cavity Closer is a rigid PVCu profile, with flexible weatherseal, insulated with extruded polystyrene. Preferred by specifiers and ideal for all types of building work including major contracts. Extruded polystyrene insulation provides thermal and acoustic solution as well as environmental benefits (zero ODP and GWP), and is HCFC and CFC free. Complies with the 2010 Part L Building Regulations. Prevents cold bridging, eliminating moisture, mould and staining around windows and doors.

- Closes off cavities around window and door reveals
- Available in cavity widths from 50 to 180mm
- Easy to install (nail or build in with PVC ties)
- Complies to Part L 2010
- Prevents cold bridging
- 2.4m lengths



Solcourse Cavity Closers

Cavity Sizes 50mm - 180mm

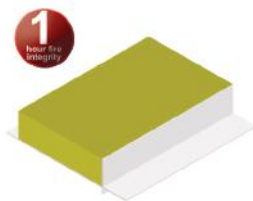
Length 2.4m

SOLCO

Solcourse Fire Rated Cavity Closer

The Solcourse Fire Rated Cavity Closer is a rigid PVCu profile, with flexible weatherseal, insulated with non-combustible rockfibre insulation, achieving 1 hour fire integrity. Preferred by specifiers and ideal for all types of building work including major contracts. Four in one rockfibre insulation, providing a fire, thermal and acoustic solution as well as environmental benefits (zero ODP and GWP). Complies with the Part L Building Regulations. Prevents cold bridging, eliminating moisture, mould and staining around windows and doors.

- 1 hour fire integrity
- Closes off cavities around window and door reveals
- Available in cavity widths from 50 to 180mm
- Easy to install (nail or build in with PVC ties)



Solcourse Cavity Closers

Cavity Sizes 50mm - 150mm

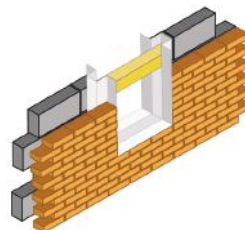
Length 2.4m

SOLCO

Solcourse Frame Former

The Solcourse Frame Former provides the bricklayer with a bricklaying template enabling a thermally efficient fitting of windows and doors. The key advantage of using the Solcourse Frame Former is the time saving for the brick layer and window fitter. Complies with the Part L 2010 Building Regulations. Using frame formers prevents cold bridging around the reveals, eliminating moisture, mould and staining around windows and doors.

- Closes off cavities around window and door reveals
- Prevents cold bridging
- Acts as a bricklaying template enabling thermally efficient fitting of windows and doors
- Rigid PVCu profile
- Compatible with all window and door materials
- BBA approved profile and Part L 2010 compliant



Solcourse Cavity Closers

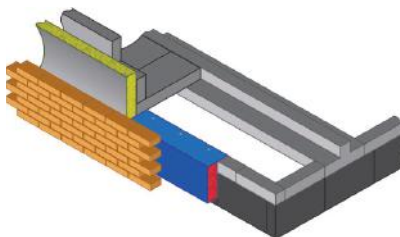
Cavity Sizes 50mm - 150mm

Length 2.4m

**SOLCO****Solcourse Peri-Break**

Solcourse Peri-Break is designed to enhance the thermal performance of a structure at the junction between the ground floor and external cavity wall by reducing the thermal linear bridging at this location.

The Solcourse Peri-Break is simple to install, in most cases by the groundwork's contractor and provides a visual check that insulation has been installed to the correct specification in order to meet or improve on current building regulations.



- Rockfibre insulation block encapsulated with a DPM flanged sleeve
- DPM flange easily fixed to perimeter block
- Conforms to Enhanced Construction Details

Solcourse Peri-Break

1200 x 225 x 75mm

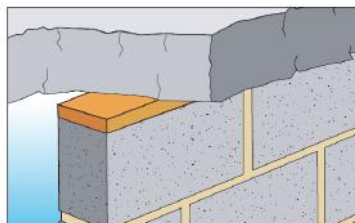
Length 2.4m

SOLCO**Corofil C144 - Cavity Firestop Strip**

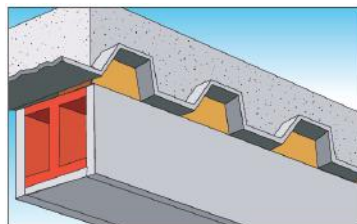
Corofil C144 Cavity Firestops provide firestopping for vertical and horizontal construction joints and at the interfac between compartment walls and soffits.

Tested to BS476 Part 20, Corofil C144 Firestops provide up to 6 hours' fire protection.

- Product supplied to suit joint size and profiled decking/sheeting
- Simple Installation
- Smoke seal when used in conjunction with fire check paint
- Available shrink wrapped to prevent fibre migration



C144 Firestop Strip is used for movement joint between wall head and soffit.



C144 Firestop Blocks are used to close corrugations in profile sheeting.

| Technical Data | |
|----------------|----------------|
| Fire Rating | Minimum Widths |
| 1 Hr | 75mm |
| 2 Hr | 100mm |
| 3 Hr | 150mm |
| 4 Hr | 175mm |
| 6 Hr | 200mm |



Building Regulations 2000 - Approved Document B - B2/3/4 – Internal fire spread (structure), paragraphs 0.10 – 0.11, state that the spread of fire inside a building can be restricted, by provisions for elements of structure to have a specified minimum period of fire resistance. Fire resistance is defined in terms of both integrity and insulation requirements when applied to fire separating elements.

Thermabate® Insulated Cavity Closers



Thermabate provides a simple and efficient method of closing cavities around openings in masonry walls. The insulating foam core prevents thermal bridging, while the PVC-U box section forms a positive damp proof barrier and key for the direct application of plaster.

It effectively prevents condensation, pattern staining and mould growth frequently associated with traditional methods of closing cavities. Thermabate closes the cavities and avoids problems encountered when supporting traditional dpc's and insulation boards during construction.



- Continuous Insulation
- Reduced Heat Loss
- Weather Resistant
- BBA Certificate No. 91/2648

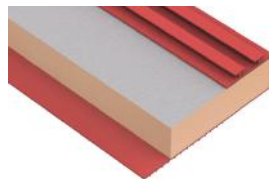
| Accessories |
|-------------------------|
| Flange Clip (green) |
| Flange Ext Clip (white) |
| Reveal Clip (white) |
| Jointing Clip (blue) |
| Profile Brackets |
| Wall Fixing Ties (150) |

| Length (mm) | Size (mm) | Cavity (mm) | Colour |
|-------------|-----------|-------------|--------|
| 3000 | 50 | 50-60 | brown |
| 3000 | 210 | 65-74 | black |
| 3000 | 75 | 75-84 | white |
| 3000 | 85 | 85-94 | yellow |
| 3000 | 90 | 90-99 | orange |
| 3000 | 100 | 100-110 | green |



Kooltherm Cavity Closer / Cavity Closer Plus

Kingspan Kooltherm® Cavity Closer comprises a PVC-U extrusion with a rigid thermoset modified resin insulation core, manufactured with a blowing agent that has zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP). It is manufactured in thirteen sizes to suit cavities 50–150 mm wide. Jointing clips extend the range further by allowing the Kingspan Kooltherm® Cavity Closer sections to be joined to accommodate wider cavities of up to 300 mm.



Kingspan Kooltherm® Cavity Closer Plus is available pre-formed to specified opening sizes. Kingspan Kooltherm® Cavity Closer PLUS is available in the same widths and standard Kingspan Kooltherm® Cavity Closer, and sections can also be joined back-to-back to accommodate wider cavities of up to 300 mm. Temporary timber bracing is used to maintain the pre-formed shape. The section profile and rigid thermoset insulation core to the sections are the same as in standard Kingspan Kooltherm® Cavity Closer sections.

Kooltherm Cavity Closer / Plus

Kooltherm® Cavity Closer 50, 75 & 100
For cavities 50, 75 & 100 mm wide

Kooltherm® Cavity Closer 105, 110, 115, 120,
125, 130, 135, 140, 145 & 150
For cavities 105 - 150 mm wide

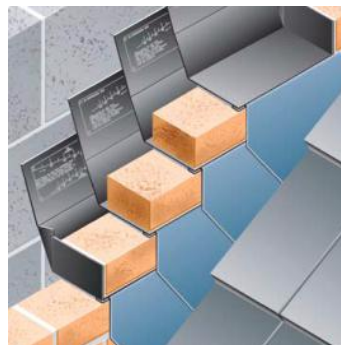


Everdry Stepped Cavity Trays

Everdry stepped cavity trays - lead attached

The leaded Everdry cavity tray range is a series of products for use at the abutment of a pitched roof with a cavity wall. They differ from standard cavity trays in that they are supplied with factory fitted lead flashings. This means that the bricklayer automatically installs both the cavity tray and the lead flashing in a single operation. All the products in this cavity tray range are designed so as to comply fully with the Building Regulations, British Standards and the NHBC.

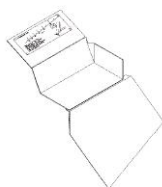
The leaded Everdry range also has full BBA certification. Key points to note are the high back upstand and the integral stopends. Both these are standard requirements with the NHBC.



The leaded Everdry range includes a large number of components which can cope with almost any wall construction. Products are available to suit brick, stone or block coursing and cavity widths of between 50mm and 150mm. The stone and block coursing trays can also be supplied to suit thicker external walls, with bed widths of up to 150mm.

Each set of leaded Everdry cavity trays include a range of standard components that work together to form a complete cavity tray system. These include stopend starter trays, corner starter trays, intermediate trays and ridge trays. Code 4 lead is supplied as standard, heavier grades are available to special order.

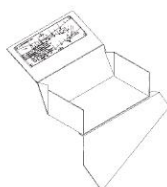
| Description | Length | Handing | Product codes (cavity widths of 50 - 150mm) |
|----------------------|--------|---------|------------------------------------------------|
| Intermediate tray RH | 225mm | RH | 20001 |
| Intermediate tray LH | 225mm | LH | 20002 |
| Intermediate tray RH | 420mm | RH | 20011 |
| Intermediate tray LH | 420mm | LH | 20012 |
| Stopend starter tray | 225mm | RH/LH | 20031/32 |
| Corner starter tray | 225mm | RH/LH | 20041/42 |
| Ridge tray | 225mm | N/A | 20061 |



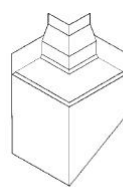
Leaded intermediate tray
Long lead (LH)



Leaded intermediate tray
Short lead (LH)



Leaded stopend starter tray
Short lead (LH)



Leaded corner starter tray
short lead (LH)



Leaded ridge tray (LH/RH)



Horizontal Cavity Trays

Inter-loc system (new build & existing walls)

Timloc offers two ranges of pre-formed horizontal cavity trays for use in a variety of situations.

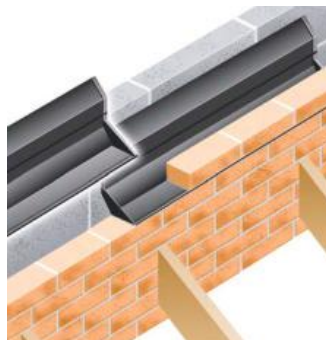
For example:

- At the abutment of a flat roof with a cavity wall
- At the abutment of a lean-to roof with a cavity wall
- Over airbricks, ducts, meter boxes etc.

A pre-formed horizontal cavity tray that features an interlocking system with integral stopend to eliminate tape jointing. The tray builds to brick bonding lengths for ease of use and is available in two or four brick lengths. The Inter-loc tray is suitable for use in both new build and remedial situations.

The one tray type covers cavity widths from 50mm to 100mm. A full range of accessories is available for this system.

- Easy and fast building-in with brickwork sized units .
- Adjoining lengths interlock
- Adjustable upstand ensures cavity width compatibility .
- Traditional or timber frame construction
- Unobstructed cavity compartment area
- Establishes consistent build quality detail



New build inter-loc 4



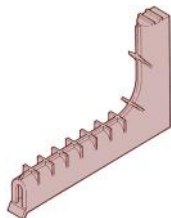
Existing build inter-loc 2 (E)



Cavity Weep Vents

Cavity Wall - Tunnel Weep Vents

The Building Regulations NHBC and British Standards require the use of weep holes to allow water to be discharged from the cavity.

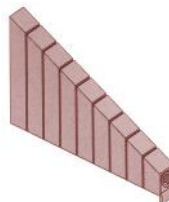


Vent Size

100 x 10 x 65mm

Bluebay Concealed Weep Vents

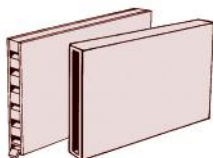
The triangular design of this weep vent combines a high flow capacity with a small discharge point, making it virtually invisible in finished brickwork.



Vent Size

100 x 10 x 65mm

Cavity Wall Weep Vents



Vent Size

10 x 65 x 100mm

10 x 75 x 150mm / 300mm

10 x 75 x 100mm / 250mm



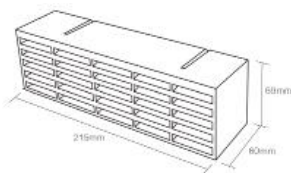
Underfloor & Through Wall Venting

High performance airbrick

The high performance ventilator may be used instead of a conventional airbrick.

It is available with a range of attachments:-

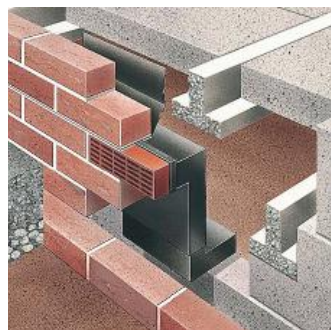
Cranked Sleeve type TAV, Vertical Extension Sleeves
Straight Sleeves, Rectangular to Round Converter



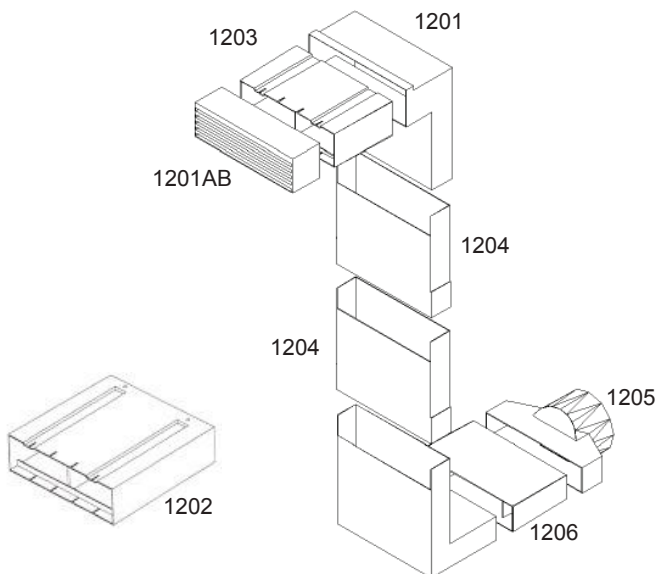
Air Brick Size

69 x 215 x 60mm

Available in a range of colours



Underfloor & Through Wall Vents



| Description | Code |
|-----------------------------|------|
| Telescopic Under Floor Vent | 1201 |
| Cavity Sleeve | 1202 |
| Horizontal Front Extension | 1203 |
| Vertical Extension Piece | 1204 |
| Duct Adapter | 1205 |
| Horizontal Rear Extension | 1206 |



Dual Extended Underfloor Vent



The Dual Extended Underfloor Ventilator is specifically designed to provide a clear airflow passage into the void beneath a suspended floor when insulated to the high levels.

The ventilator offers a vertical telescopic adjustment of between 5 and 8 brick courses without the need for an extension sleeve. The horizontal outlet is also long enough to bridge through an overall wall thickness of 350mm without the need for an additional extension. This makes the product ideally suited for ventilating through a well insulated cavity wall and down below an insulated suspended floor.



| Description | Free Airflow | Vert. Extension | Horiz. Extension |
|-------------------------------|-----------------------------------------------------------------|--------------------------------|--------------------------|
| Dual Extended Underfloor Vent | 8,000 mm ² (7,600 mm ² thro' Airbrick) | 5-8 courses (375mm - 600mm) | 360mm (Inc. airbrick) |



Ryttons Rytweep® Weep



Virtually unseen when installed; showing only the small weep outlet. The simple design allows quick and easy fitting with no special brickwork required. Flush face maintains the aesthetic appearance of the building. Lugs aid mortar adhesion for efficient installation.

BBA approved – your independent assurance that the product meets building regulations and standards and will last.

To protect the outlet from blockage during rendering or water penetration during flooding use Ryttons DamRyt® Rytweep® Protector.



| Vent Size & Colours |
|-------------------------------------------|
| 101mm (L) x 66mm (H) x 10mm (W) |
| Black, terracotta, buff/sand, grey, clear |



Solcourse Clay Air bricks & Cavity Liners

Cavity Liners are used in conjunction with airbricks, to bridge the depth of the wall, where necessary.

The airbricks can be used internally or externally in the construction of housing and commercial projects.

Terracotta airbricks can complement the external finish of a property and will weather well with the surrounding brickwork.

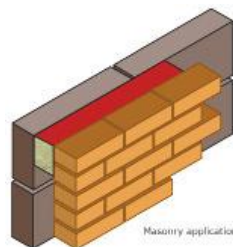


| Air Brick & Liner Sizes |
|------------------------------|
| 215mm x 65mm |
| 215mm x 140mm |
| 215mm x 225mm |
| Terracotta, Blue/Black, Buff |



Cavity Stop Socks & TCB's

ARC Cavity Stop Socks have been developed as thermal and acoustic fire stops that are designed to restrict the spread of smoke and flames within external masonry and timber frame walls, and further to minimise the effect of flanking noise pollution at wall junctions.



- Up to four hours fire integrity for masonry construction
- Up to one hour fire integrity for timber frame construction
- Easily installed both horizontally / vertically with compression fit
- Minimises flanking noise at wall junctions
- Available in standard widths of 65, 75, 100, 125 and 150mm
- TCB (flanged stopsock) also available for timber frame applications

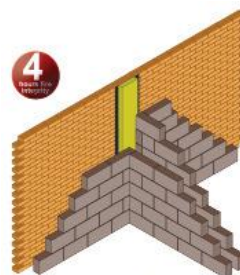
ARC Cavity Stop Socks & TCB's

| Cavity Width | Dimensions | Pack Qty | Timber Frame Fire Integrity | Masonry Fire Integrity |
|--------------|--------------------|----------|-----------------------------|------------------------|
| 50mm | 65 x 65 x 1200mm | 40 | 1 hr | 4 hrs |
| 75mm | 90 x 75 x 1200mm | 35 | 1 hr | 4 hrs |
| 100mm | 120 x 100 x 1200mm | 20 | 1 hr | 4 hrs |
| 125mm | 135 x 120 x 1200mm | 15 | 1 hr | 4 hrs |
| 150mm | 160 x 120 x 1200mm | 12 | 1 hr | 4 hrs |



Fire & Acoustic Party Wall DPC

The ARC Fire and Acoustic DPC enables the closing of an external cavity at the junction with a party wall and between floors, providing resistance to the spread of flame along the cavity. Where a separating party wall meets the external cavity wall, building regulations require the use of a mineral wool closer for acoustic insulation purposes. NHBC compliant.



- Four hours fire integrity - Warrington Fire Research test
- Meets NHBC acoustic standards
- Part E compliant
- Minimises transmission of flanking noise along the cavity of external walls and between floors
- Easily installed as brickwork is constructed
- Vertical and horizontal applications
- Available in standard cavity widths of 50, 65, 75, 90, and 100mm

ARC Fire & Acoustic Party Wall DPC

| Cavity Width | Dimensions | Pack Qty | Timber Frame Fire Integrity | Masonry Fire Integrity |
|--------------|--------------------|----------|-----------------------------|------------------------|
| 50mm | 65 x 65 x 1200mm | 40 | 1 hr | 4 hrs |
| 75mm | 90 x 75 x 1200mm | 35 | 1 hr | 4 hrs |
| 100mm | 120 x 100 x 1200mm | 20 | 1 hr | 4 hrs |
| 125mm | 135 x 120 x 1200mm | 15 | 1 hr | 4 hrs |
| 150mm | 160 x 120 x 1200mm | 12 | 1 hr | 4 hrs |



'T' Barrier

The T-Barrier seals the party wall junction to help minimise the effect of thermal bypass, as well as reducing flanking noise in the cavity.

The T-Barrier saves time on site by being much simpler to fit than existing solutions, and provides one hour fire integrity.

- Polythene encapsulated cavity stop sock
- One hour fire integrity
- Complies to Robust Detail, Part B and NHBC standards
- Excellent acoustic properties, reducing flanking noise in the cavity
- Saves time on site when compared to other party wall fire and acoustic solutions
- Aids thermal bypass solutions by sealing the party wall junction



| ARC T Barrier | | |
|---------------|-----------------|--|
| Cavity Width | Dimensions (mm) | |
| 50mm / 55mm | 200x65/70x1200 | |
| 50mm / 75mm | 200x65/90x1200 | |
| 75mm / 55mm | 200x90/70x1200 | |
| 75mm / 75mm | 200x90/90x1200 | |
| 100mm / 55mm | 200x110/70x1200 | |
| 100mm / 75mm | 200x110/90x1200 | |
| 125mm / 55mm | 200x135/70x1200 | |
| 125mm / 75mm | 200x135/90x1200 | |
| 150mm / 55mm | 200x160/70x1200 | |
| 150mm / 75mm | 200x160/90x1200 | |



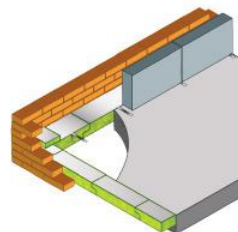
Fire Stop Slab / Strip

The ARC Fire Stop Slab is made from foil faced high density rockfibre. ARC's product is designed with a rebated joining system for improved fire performance as standard.

Suitable for use in both masonry wall cavities, and at the edge of a concrete floor slab. Can be installed horizontally or vertically and is suitable for cavities up to 300mm wide. Up to 3 hours fire integrity when using ARC's rebated joining system.

When butt jointed, 2 hours fire integrity can be achieved.

- Easily installed, vertically and horizontally
- Suitable for cavity widths up to 300mm
- 3 hours fire integrity with rebated joint, 2 hours for butt joint
- Manufactured with a rebated joining system
- ARC will also pre-cut slabs to the required cavity width

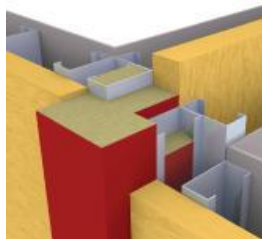


| ARC Fire Stop Slab / Strip | | | | |
|----------------------------|--------------------|----------|-----------------------------|------------------------|
| Cavity Width | Dimensions | Pack Qty | Timber Frame Fire Integrity | Masonry Fire Integrity |
| 50mm | 65 x 65 x 1200mm | 40 | 1 hr | 4 hrs |
| 75mm | 90 x 75 x 1200mm | 35 | 1 hr | 4 hrs |
| 100mm | 120 x 100 x 1200mm | 20 | N/A | 4 hrs |
| 125mm | 135 x 120 x 1200mm | 15 | N/A | 4 hrs |
| 150mm | 160 x 120 x 1200mm | 15 | N/A | 4 hrs |



Metal Frame Barrier

The ARC Metal Frame Barrier System has been developed to restrict the passage of fire and smoke at a party wall junction where metal frame internal wall systems are used. It is a 3 part system which fits snugly around and into the metal C sections. The barriers are lengths of non-combustible rockfibre mineral wool, sleeved in 50 micron polythene for on-site protection.



- Up to four hours fire integrity
- Tested up to 150mm external cavity width
- Excellent acoustic properties
- Unique T-shape seals cavity
- Polythene encapsulated for on-site protection

ARC Metal Frame Barrier

| Cavity Width(s) | Length | Frame Fire Integrity |
|-----------------|--------|----------------------|
| 50mm - 150mm | 1200mm | 4 hrs |



Curtain Wall Barrier

The ARC Curtain Wall Barrier has been designed to provide a three hour fire barrier in an external curtain wall situation. The barrier is impaled on to the ARC insulation spike which has been installed onto the outside of the internal leaf. The barrier does not require a compression fit but is required to have a snug fit within the cavity space. Any site inaccuracies need to be sealed with a suitable intumescent sealer.



- Up to three hours fire integrity
- Suitable for cavities up to 300mm
- Foil faced to provide a smoke barrier
- Cut to size on site/factory finished

ARC Curtain Wall Barrier

| Slab Size | Length | Frame Fire Integrity |
|--------------|--------|----------------------|
| 600mmx 100mm | 1000mm | 4 hrs |



Rainscreen Barrier

The ARC Rainscreen Barrier has been designed to provide a two hour fire rating where a ventilated space is required in the construction. The barrier is impaled on to an insulation spike on the internal leaf of the structure, then a spacer spike is fitted to the external surface of the barrier to maintain a constant 25mm ventilation space.



The barrier works by way of the intumescent expanding in the event of a fire in the cavity and closing the airspace to provide a sealed cavity.

- Up to two hours fire integrity
- Suitable for cavities up to 300mm
- Foil faced to provide a smoke barrier once sealed

ARC Rainscreen Barrier

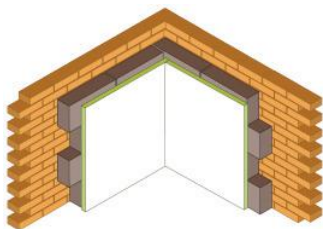
| Cavity Width(s) | Length | Frame Fire Integrity |
|-----------------|--------|----------------------|
| up to 300mm | 1000mm | 2 hrs |



Rockfibre Lamella Thermal & Acoustic Plasterboards

Designed to offer both thermal and acoustic insulation for internal walls, helping to improve upon statutory requirements. Rockfibre Lamella Plasterboards are suitable for both refurbishment and new build projects in the domestic and commercial markets where increased thermal and acoustic performance is required.

Rigid Rockfibre slabs are cut into strips and turned through 90 degrees so that the fibres lie at right angles to the plasterboard. This gives increased resistance to compression of a slab of the same density.



ARC Lamella Plasterboards - Technical Data

| Overall Board Thickness (mm) | Insulation Thickness (mm) | Thermal Resistance R Value m ² K/W |
|------------------------------|---------------------------|-----------------------------------------------|
| 29.5 | 17 | 0.436 |
| 32.5 | 20 | 0.505 |
| 42.5 | 30 | 0.732 |
| 52.5 | 40 | 0.959 |
| 62.5 | 50 | 1.186 |
| 72.5 | 60 | 1.414 |
| 87.5 | 75 | 1.755 |
| 92.5 | 80 | 1.869 |
| 102.5 | 90 | 2.095 |

ARC Lamella Plasterboards

| Plasterboard Size | Conductivity | Insulation |
|----------------------|--------------|------------|
| 2.4m x 1.2m x 12.5mm | 0.25W/mk | 0.044 W/mk |

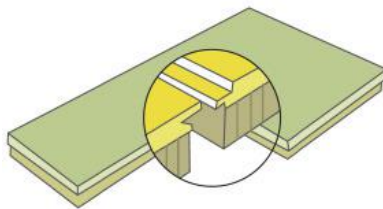


Thermal and Acoustic Insulated Chipboard Flooring

Designed to provide both thermal and acoustic insulation for both ground and intermediate floors, in either new build or refurbishment work. Insulated chipboard floor boards consist of CFC free extruded polystyrene bonded on to tongue and grooved moisture-resistant chipboard.

The product has excellent compressive strength and eliminates the need for wet screeds in the new floor construction and is easy to install.

- Excellent thermal and acoustic insulation
- CFC and HCFC free
- Suitable for all constructions
- Will accommodate pipe runs and minor imperfections in the sub floor
- Easy to lay
- Suitable for new build and refurbishment work














Technical Data

| Overall Board Thickness (mm) | Insulation Thickness (mm) | Extruded Polystyrene R Value m ² K/W | Expanded Polystyrene R Value m ² K/W |
|------------------------------|---------------------------|-------------------------------------------------|-------------------------------------------------|
| 38 | 20 | 0.818 | 0.655 |
| 48 | 30 | 1.163 | 0.918 |
| 58 | 40 | 1.508 | 1.181 |
| 68 | 50 | 1.853 | 1.444 |
| 78 | 60 | 2.198 | 1.708 |
| 88 | 70 | 2.542 | 1.971 |
| 118 | 100 | 3.577 | 2.760 |





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Bluebay West & Wales


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Ocean Park, Cardiff CF24 5HB

 **02920 495555**

 cardiff@bluebaybp.co.uk

Bluebay Thames Valley

Unit 26A, Ganton Way, Techno Trading Est,
Swindon, Wilts, SN2 8EZ

 **01793 512299**

 swindon@bluebaybp.co.uk

Bluebay London & S.E.

Unit 3, Stadium Ind Est, Cradock Road,
Luton, Bedfordshire, LU4 0JF


 **01582 594007**

 london@bluebaybp.co.uk

Bluebay North West & E. Midlands


Unit 2A & 2B, New Cut Lane Ind Estate,
Woolston, Warrington, WA1 4AG

 **01925 875588**

 warrington@bluebaybp.co.uk

Bluebay North & Scotland

Unit 16G, Follingsby Park, Gateshead,
Tyne and Wear, NE10 8YF

 **0191 416 6572**

 gateshead@bluebaybp.co.uk

Head Office & Accounts

Unit 51 Portmanmoor Road Industrial Est,
Ocean Park, Cardiff CF24 5HB

 **02920 021474**

 enquiries@bluebaybp.co.uk

www.bluebaybp.co.uk