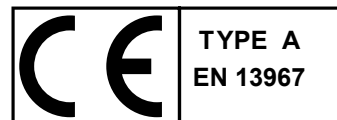


Solco TS Amber 1 Radon Membrane

Description:

Solco TS Amber 1 Radon Membrane is a 400 micron radon barrier, compliant to NHBC Amber 1 situations and BBA Agreement certified.



Solco TS Radon Membrane is fully compliant with the standards for damp proof membranes as required by the UK building regulations. Solco TS provides a barrier for moisture, usually used within building foundations.

Solco TS can also be used for a range of other damp proofing applications, including for use in concrete floors in domestic and commercial (schools, hospitals leisure, shopping centres, etc.) applications, in accordance with Clause 11 of CP 102:1973, where there may be capillary rise of moisture but not where it may be subject to hydrostatic pressure.

Solco TS Membrane should be jointed using welding for the most demanding installations or jointed using the range of Solco Tapes and ancillary items for all other instances (as shown on page 3). Solco TS is manufactured from a blown film of extruded low-density polyethylene (LDPE).

Provided there are no sharp objects present on the membrane surface prior to and during installation of the protective layer, Solco TS will not be damaged by normal foot traffic.

There will be no adverse effect on the membrane from underfloor heating under normal service conditions.

The membrane should not be installed below temperatures of 5°.

Approvals, Standards & Benefits

- BBA Certified, complies with new regulations for radon.
- Conforms to BRE Report 2011:2015 for radon.
- CE Marked to EN13967:2017.
- Acts as a damp proof membrane to CP102:1973 Section 3.
- NHBC compliant to standard 2020.
- Compliant to new 0.4mm thick (1600 gauge) regulations for radon protection .
- Approved to BS8485:2015+A1:2019 standard

Product Size

The product is 0.4mm thick, yellow in colour and supplied in a roll size of 4m x 20m



Technical Data:

Property	Test Method	Value
Colour		Yellow
Thickness	EN 12311	0.4mm
Roll Length	EN 1848-2	20m
Roll Width	EN 1848-2	4m
Mass per Unit Area	BBA	368 g.m ²
Watertightness	BBA	Pass
Durability (Artificial Ageing)	BBA	Pass
Durability (Alkali)	BBA	Pass
Radon Permeability	K124/02/95	0.2x10 ⁻¹¹ m ² .s ⁻¹

Installation:

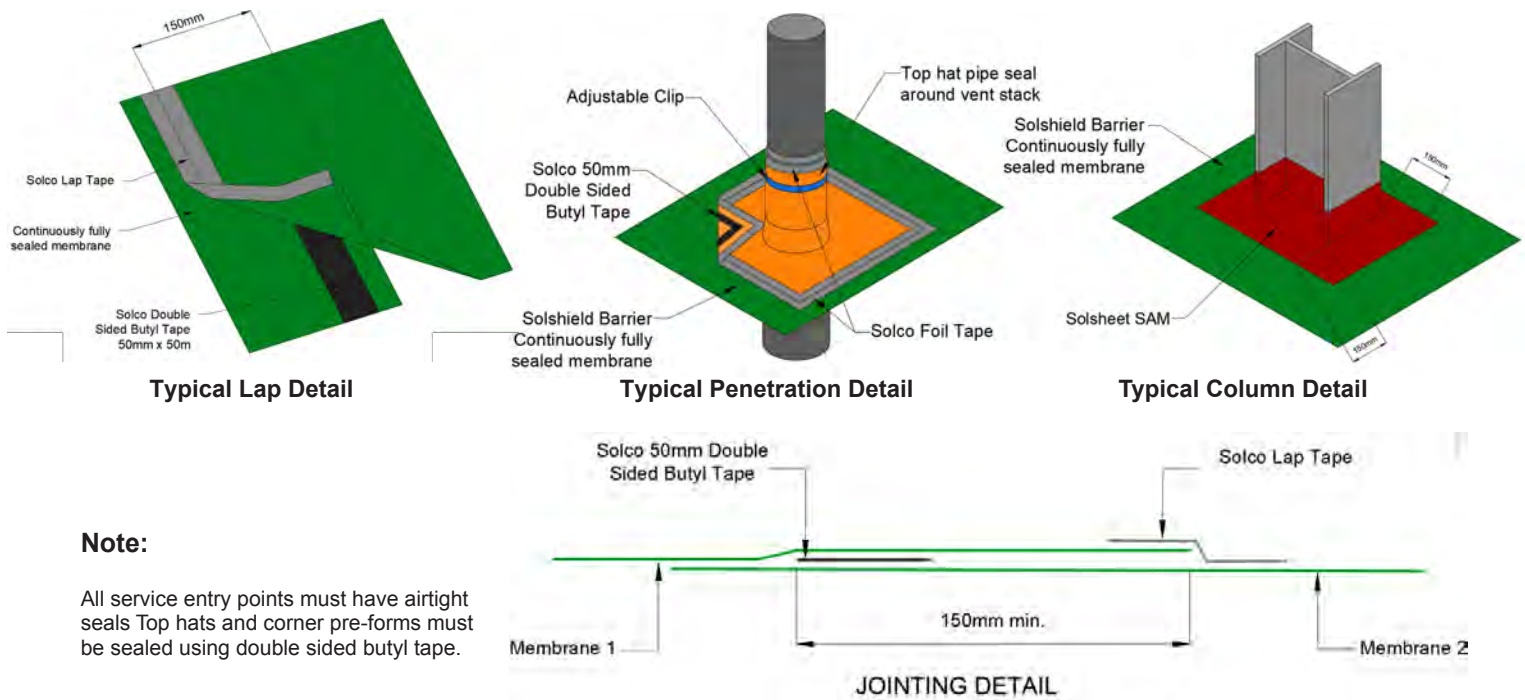
1. The membrane must only be applied to surfaces that have a smooth finish - free from voids, projections, and mortar deposits. Surfaces should be dry and free from dust and frost.
2. Concrete surfaces should be dense.
3. Solshield TS Membrane is rolled out, ensuring that it is properly aligned. All end and side overlaps should be a minimum of 150mm and prepared.
4. When the membrane is laid below the concrete slab, it should be loose-laid to accommodate any small movements.
5. All surfaces must be dried thoroughly prior to joining. Roll edges can be welded or taped.
6. The continuity of the damp proofing must extend over the footprint of the building, and the membrane must be sealed to a damp-proof course where required.
7. The membrane should be covered by a screed or other protective layer, such as Solco Protection Fleece, as soon as possible after installation. Care should be taken when handling building materials over the exposed surface.

Note: Solco 100mm Single Sided Butyl Tape is to be used to reinforce/seal corner/3 dimensional changes in direction at external/internal wall/slab junctions.

Jointing Detail:

1. Apply Solco Double Sided Butyl Tape around 50mm from the membrane edge, leaving the backing paper on.
2. Lay the next membrane, overlapping the first by 150mm.
3. Remove the backing paper from the double sided butyl tape and join the top sheet to the bottom sheet, by applying pressure with a hand roller.
4. Where the membranes overlap, apply Solco Single Sided Foil Tape, equidistant on both membranes (see detail). All service entry points must have airtight seals. Top hats and corner pre-forms must be sealed using double sided butyl tape.

Typical Jointing Details for Solshield TS Amber 1 Radon Membrane



Note:

All service entry points must have airtight seals. Top hats and corner pre-forms must be sealed using double sided butyl tape.

Storage and Handling on Site:

Solco TS Radon Membrane is classified as non-hazardous (code of practice CP102 1973). Rolls should be stored on a flat surface, kept under cover, and protected from sunlight and mechanical damage. The product is chemically inert and any acids or alkalis present in the subsoil will not affect the membrane.

Do not use when exposed to sunlight and general outdoor weather conditions for long periods of time. Quality control during the laying of the membrane is extremely important. Care should be taken when handling building materials over the exposed surface.

Ancillary Products

Solco Foil Backed Jointing Tape	Single Sided Tape	75mm x 50mm	Securing laps & joints	Rolls
Solco Double Sided Butyl Tape	Butyl Adhesive Tape	50mm x 10m	Securing joints and laps	Rolls
Solco Top Hats	Polymeric	Various	For sealing around penetrations through gas membrane	Each
Solcourse HP DPC	A flexible bitumen free polymeric damp proof course	300mm - 1000mm	DPC	20m Rolls
Solco Int / Ext Corner Cloaks	Prefabricated corner details			
Solco P30 Protection Fleece	To form a protective layer to prevent damage to the membrane	2m x 50m	Protection Fleece	Rolls
Solco HP Emulsion / Primer	Used to provide adhesion to bitumen enhanced geomembranes	5L & 25L	Primer	Drums
Solseal Flexible Liquid Membrane	A flexible and elastomeric membrane	5L & 25L	Liquid Membrane	Drums

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