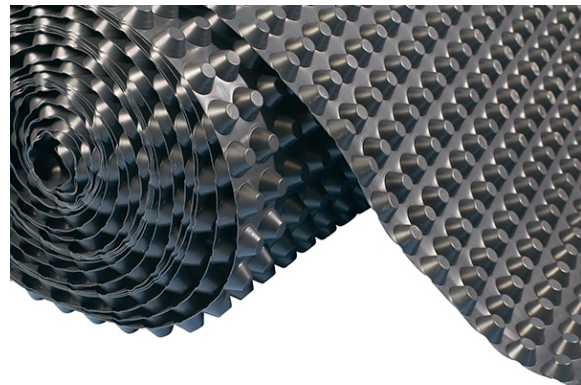


Soldrain Slab

Description:

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.



Applications:

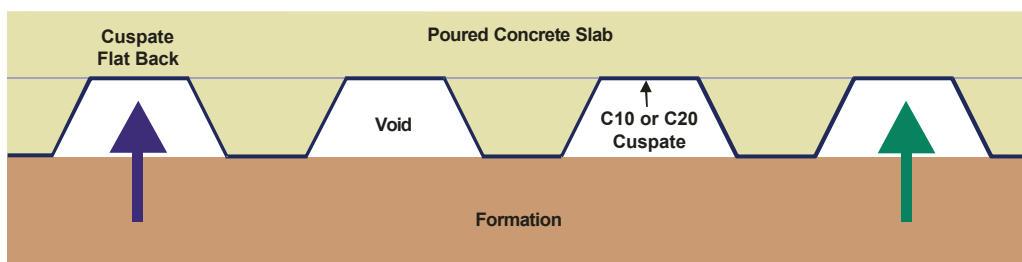
- Around buried structures and culverts.
- Behind bridge abutments & retaining walls.
- On top of covered reservoirs.
- Alongside highways.
- Beneath green roofs.
- Within embankments.
- As part of basement waterproofing systems.
- Beneath floor slabs.

- 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.

Technical Data:

Property	Soldrain Slab 10	Soldrain Slab 20
Cuspate Height [BS EN 9863:1]	10mm	20mm
Compressive Strength	200 kPa	115 kPa
In Plane Flow Capacity (Using Hard Platens at 20kPa)	5 l/s/m width	10 l/s/m width
Roll Dimensions	0.97m x 50m	0.97m x 50m
Roll Diameter	0.75m (Approx.)	1.00m (Approx.)
Roll Weight	50kg	50kg

Installation:



Solco, Unit 51, Portmanmoor Road Industrial Estate, Ocean Park, Cardiff, CF24 5HB

Installation (Cont.):

- Unroll by hand on level ground. It may be easier to cut the required length from a roll prior to positioning if the product is to be placed vertically against a structure.
- Ensure that the product is placed facing the correct way (see detail).
- Adjacent or subsequent rolls should be butt-jointed without an overlap.
- The core-only products - C10 and C20 - should have the edges sealed with jointing tape or similar to prevent grout from entering the drainage void during compaction of the concrete.
- When installed horizontally, sandbags should be placed at discrete intervals to ensure the product is not dislodged by the wind before backfilling.
- The geotextile filters used on these products are not UV protected and it is therefore recommended they should be covered within 24 hours to avoid any risk of degradation.
- Site or other equipment should never be driven directly on any geosynthetic product.
- Care must be taken not to dislodge the cusps during the backfilling operation.
- Only hand-propelled rollers should be used to compact a fill within 1.0m of any cusps.

The core-only Soldrain Slab 10 with a 10mm cup height and Soldrain Slab 20 with a 20mm cup height - are generally used as void formers beneath concrete slabs or behind renders to form a drainage path.

They are laid with the cups pointing towards the gas or water source and the flat back facing the concrete or render