

SOLDRAIN SLAB

Cuspated cavity drain composite



Soldrain Slab is a high performance cuspated cavity drain composite manufactured from a dimpled H.D.P.E., designed to provide a drainage channel beneath the concrete in floor construction.

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

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



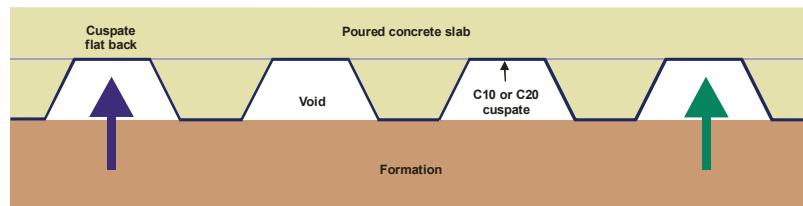
SOLDRAIN - Structural Drainage

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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 selvedges 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.



Installation

- 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 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 cuspated.

Description	Method	Unit	Soldrain Slab 10	Soldrain Slab 20
Cuspated Height	BS EN 9863:1	mm	10	20
Compressive Strength		kPa	200	115
"In-plane Flow Capacity using hard Platens ($i=1.0$) @ 20kPa"	EN ISO 12958	l/s/m width	5	10
Roll Dimensions		m	0.97 x 50	0.97 x 50
Approximate Roll Diameter		m	0.75	1.0
Approximate Roll Weight		kg	50	50

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