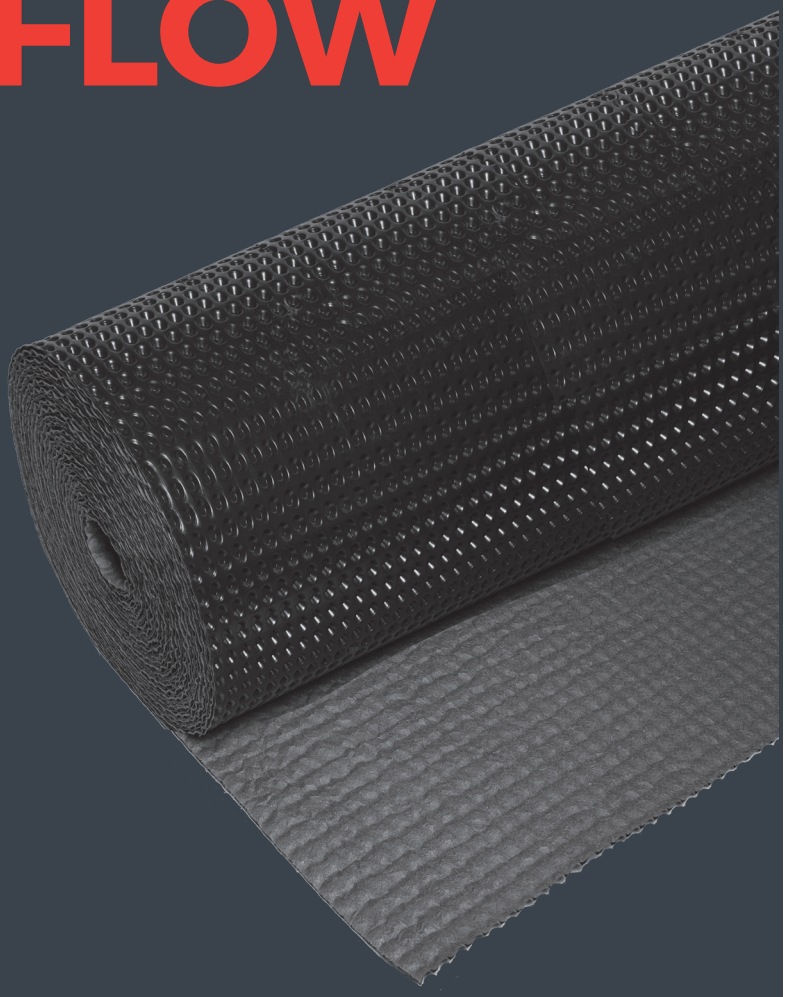
TECHNICAL DATA SHEET

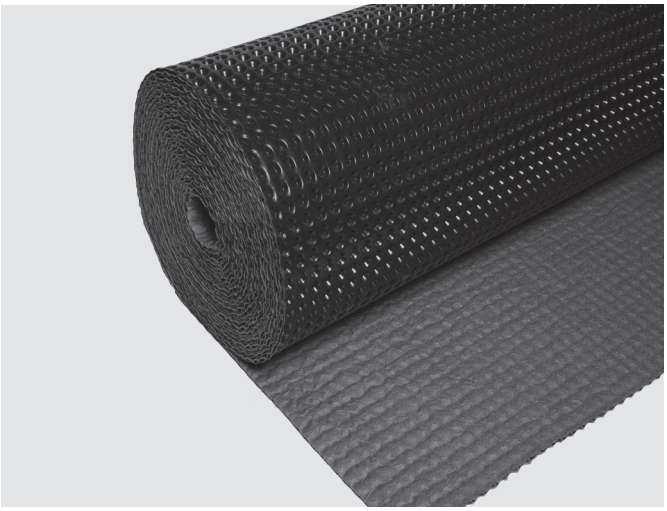
HYDROFLOW HM8



Geocomposite drainage membrane

PREMCRETE

HYDROFLOW HM8





TYPE C
EXTERNAL DRAINAGE

WATER RESISTANT

25 YEARS
PRODUCT WARRANTY

DESCRIPTION

HYDROFLOW HM8 is a high-performance HDPE, cuspated drainage membrane with an 8mm profile, incorporating a non-woven geotextile, bonded to the outer face of the cuspates, therefore combining to form a geocomposite drainage membrane.
This is designed to provide an effective drainage layer applied vertically to the external face of water resisting structure such as double sided retaining walls. The membrane exhibits an excellent load resistance which ensures that the free draining void is maintained for the lifetime of the structure.
HYDROFLOW HM8 offers excellent chemical resistance to alkalis and organic gases making it suitable for use in a variety of ground conditions.

USES

HYDROFLOW HM8 is used to provide a filtered drainage plain that will provide a free-flowing void for the diversion of water away from the water resisting structure to ensure a head of water is never sustained for any period of time.
HYDROFLOW HM8 is used in basement construction on retaining walls, protecting below ground structures, tunnels and culverts.

ADVANTAGES

- Rapid and easy installation by semi-skilled labour.
- Excellent chemical resistance.
- High compressive strength to provide load resistance.
- Minimal substrate preparation prior to installation.
- Provides an effective pressure relief drainage void for the lifetime of the structure.

HYDROFLOW HM8

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Cuspate Depth	N/A	8mm
Mass	N/A	1kg/m^2
Compressive Strength	N/A	250 kN/m^2
Drainage Capacity	N/A	5.5 ltrs /m^2

INSTALLATION PROCEDURE

Surface Preparation
The substrate should be free from excessive surface undulations which may deform the membrane and ensure the surface is clean and free of any debris.

Application
HYDROFLOW HM8 should be fixed to the outside of the structure to provide an effective drainage void. If the HYDROFLOW HM8 is to provide a drainage void against a PREMCRETE waterproof membrane, then it should be adhered to the membrane using HYDROPRUFE HCR BUTYL TAPE (100mm width), to secure the HYDROFLOW HM8 in position until backfilling has taken place.
If the HYDROFLOW HM8 is to be installed directly against concrete or masonry, then it may be fixed mechanically atone metre centres.
Laps between adjacent sheets are created by butt jointing the membrane sheets before folding the geotextile membrane lap against the adjacent sheet. This will ensure that no soil fines can penetrate the geocomposite membrane which may result in clogging.

HYDROFLOW HM8 is predominantly used for vertical applications.
When installed, ensure the geotextile faces outwards and a maintainable perforated land drain should be installed at the base of the retaining wall, at the same level or lower than the underside of internal structural slab, to drain the water away from the structure.

PACKAGING & COVERAGE

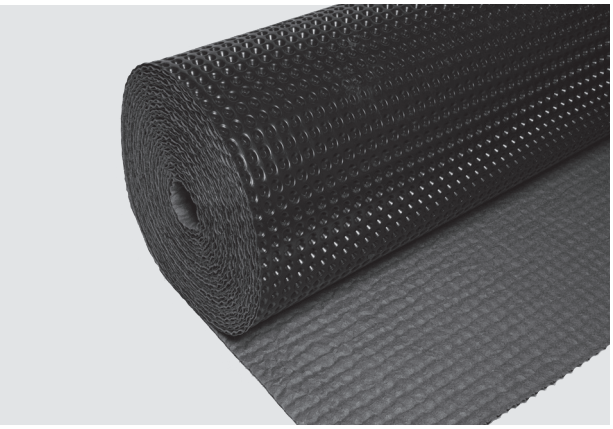
HYDROFLOW HM 8mm
2m x 20m roll.

STORAGE & SHELF LIFE

Store in cool dry conditions away from direct sunlight.

HEALTH & SAFETY

See separate Material Safety Data Sheet.



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PREMCRETE