

# Rapid-Drain

## Sub-Surface Drainage & Membrane Protection

### Description

Rapid-Drain is a highly efficient geo-composite sub-soil drainage system comprising cusped plastic sheet bonded to non-woven heavy-duty geotextile filter fabric.

### Uses

Rapid-Drain is specifically designed for use with all Chemind waterproof membranes and Grace Bituthene® or Preprufe® sheet membranes.

It provides uninterrupted drainage to lift pits, basement retaining walls, bridge abutments, planter box walls or floors. Rapid-Drain is also used to collect and control water under landscaped podium decks, terraces or roofs.

### Features

Rapid-Drain complies with **Green Star** requirements and has zero VOC rating.

- Reduces hydrostatic water pressure build-up behind structures such as retaining walls, basements and foundations.
- Reduces the potential for damage caused by movement and expansive soils.
- Easy to install - has an over-locking edge profile to assist with stability of system.
- The free draining structure and geofabric layer prevents silt from clogging footing drainage lines, planter box floor outlets and landscaped deck outlet drains.
- Will prevent flooding and deposition of soil and debris on surrounding paved surfaces.
- Provided added benefits in facilitating the protective function of the waterproofing membrane system.



### Typical Properties

Structure	Moulded HDPE and non-woven geotextile filter fabric
Thickness	10mm+
Compressive Strength	>700kPa ASTM D1621
Max In Plane Flow Rate	15600l/m <sup>2</sup> /hr ASTM D4716
Installed Vertical Flow Rate	9300l/m <sup>2</sup> /hr ASTM D4716
Installed Horiz Flow Rate	1800l/m <sup>2</sup> /hr ASTM D4716
Textile Tensile Strength	0.5kN ASTM D4632
Textile Puncture Strength	>0.3kN ASTM D4833

### Preparation

Inspect waterproofing and repair any damage.

### Application

- Install Rapid-Drain with geofabric facing water inflow. Cut to suit profiles and over-lock side joints carefully.
- On any vertical surfaces use pressure sensitive tape, other suitable adhesives or battens, to hold Rapid-Drain in place.
- Do not use pins or other mechanical fasteners that penetrate or damage any applied waterproof membrane.

### Packaging & Storage

Available in 1.22m x 15.24m (18.6m<sup>2</sup>) rolls.

Store upright in protected area.



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