

# RAPID-DRAIN™

Sub-surface drainage and membrane protection

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## Product 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.

## Product Uses

RAPID-DRAIN™ is specifically designed for use with all GCP waterproof membranes including GCP 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 geo fabric 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.

## Preparation

Inspect waterproofing for damage and repair as required

## Application

Install RAPID-DRAIN™ with geo fabric 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.

## Typical Properties

PROPERTY	TYPICAL VALUE
Structure	Moulded HDPE and nonwoven 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

Do not use pins or other mechanical fasteners that penetrate or damage any applied waterproof membrane.

## Packaging

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

## Health and Safety

In case of spills and accidents, refer to the MSDS of the products or when in doubt contact your local GCP representative. Always wear protective clothing, gloves and protective goggles when handling chemical products. For full information, consult the relevant MSDS

## Limitations

Information contained in this document does not cover all possible application scenarios or imply product suitability for an application. Please contact your local GCP representative or the GCP Technical Department for further information.

## Warranties

GCP and contractors recognised by GCP as experienced in the application of GCP products will provide warranties for individual projects. Warranty periods offered are dependent on project details and complexity. Requests for very long warranty periods may necessitate increased membrane thicknesses to ensure longevity. Contact your local GCP representative for further details.

Release Date: 23/06/25. The information contained in this product data sheet supersedes all previous versions.

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