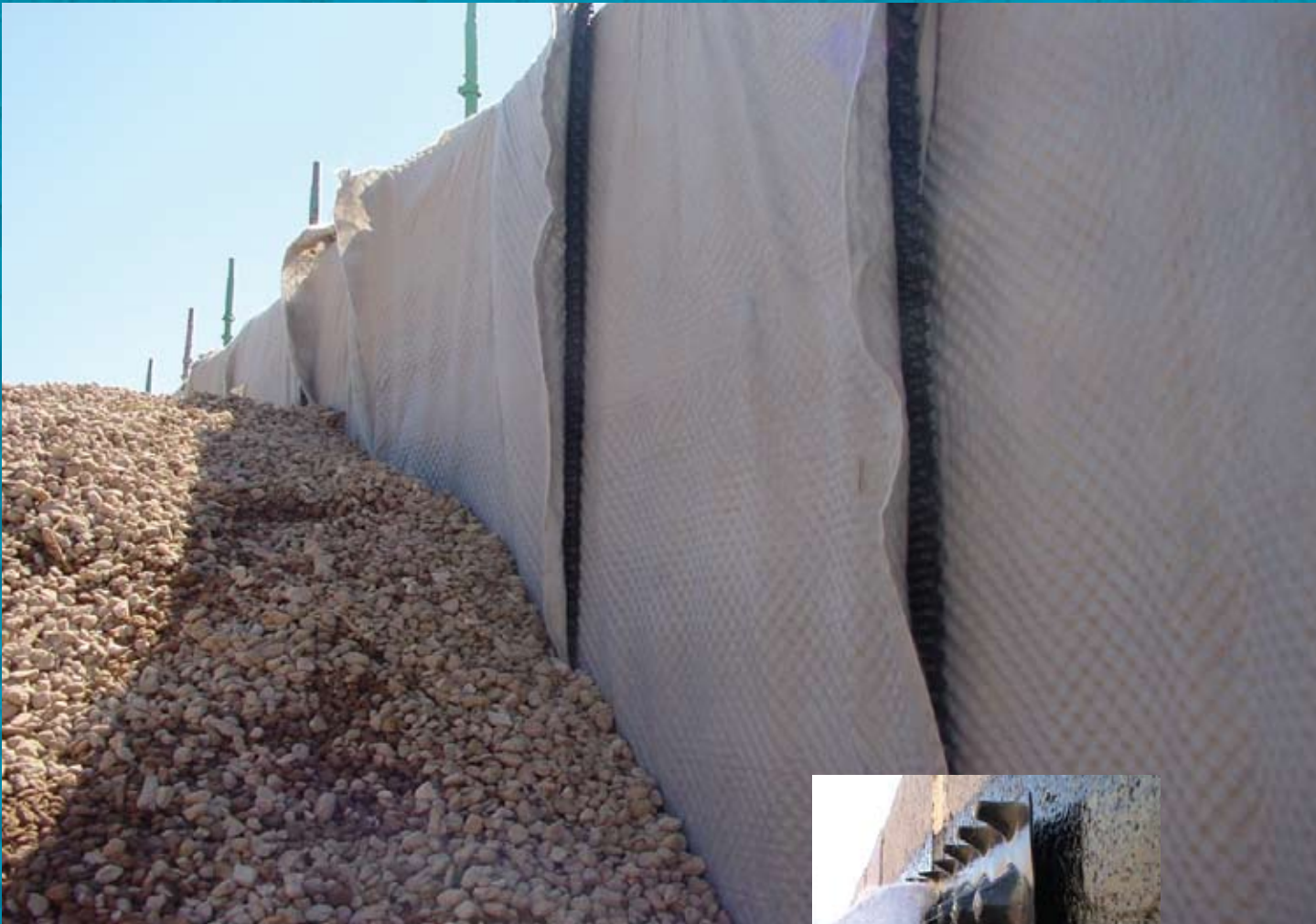


Geosheet®

Prefabricated Structural Subsoil Drainage System



Australian Made



Description

Geosheet® is a single or double cusped HDPE sheet designed specifically to provide vertical drainage behind bridge abutments, retaining walls and in basements. **Geosheet®** replaces the conventional use of aggregate (which is expensive and difficult to compact) to form a vertical drainage layer. **Geosheet®** is supplied with a non-woven geotextile, glued to one side, to act as a filter. The high compressible strength and flexibility of **Geosheet®** ensures long-term performance and cost savings through easy and fast installation.

Geosheet® is supplied in two standard thicknesses, 15mm and 18mm. It has a minimum compressive strength of 200kPa to withstand loads and compressible soils.

Specifications

Specifications	Test method	Units	Product code	
			CS15F	CS20F
Core properties				
Core structure	-		Single cusped profile	Double cusped profile
Core material	-		HDPE	HDPE
Compressive strength	-	kPa	200	250
Width	-	mm	1200	1200
Standard thickness	-	mm	15	18
Discharge capacity	ASTM D 4716	L/m ² /hr	20,000	6,600 (one side only)
			@ 200kPa and hydraulic gradient of 1	
Geofabric filter properties				
Structure	-		Non-woven calendered	Non-woven calendered
Material	-		Polyester	Polyester
Flow rate	AS3706.9	L/m ² /s	75	75
Trapezoidal tear	AS3706.3	N	320	320
Grab tensile	AS2001.2.3	N	730	730
Packing details				
Roll length	Nominal	m	30	30
Roll diameter	Nominal	m	0.85	0.85

The data and specifications contained in this table are obtained from the manufacturer's laboratory testing. To ensure this information is current please contact your local branch of Geofabrics Australasia.

Installation

Geosheet® may be installed either vertically or horizontally. Methods of fixing **Geosheet®** while backfilling operations take place include:

- (i) contact adhesives such as a double sided 100mm wide tape,
- (ii) nailing to concrete or brick walls,
- (iii) temporary poles to hold in position.

Geosheet® must always be installed with the geotextile facing the backfill material.

Joining

Adjacent rolls are joined by overlapping (50 to 100mm) or by joining the HDPE cusped core where required. The overlying geotextile should be joined by overlapping 50 to 100mm.

Backfilling

A free draining backfill material should be selected to avoid the formation of a less permeable barrier than the **Geosheet®** composite layer. Care should be taken to ensure that all cover materials are placed in such a manner that **Geosheet®** is not damaged during installation.

IMPORTANT NOTICE - DISCLAIMER

The information contained in this brochure is general in nature. In particular the content of this brochure does not take account of specific conditions that may be present at your site. Site conditions may alter the performance and longevity of the product and in extreme cases may make the product wholly unsuitable. Actual dimensions and performance may vary. If your project requires accuracy to a certain specified tolerance level you must advise us before ordering the product from us. We can then advise whether the product will meet the required tolerances. Where provided, installation instructions cover installation of product in site conditions that are conducive to its use and optimum performance. If you have any doubts as to the installation instructions or their application to your site, please contact us for clarification before commencing installation. This brochure should not be used for construction purposes and in all cases we recommend that advice be obtained from a suitably qualified consulting engineer or industry specialist before proceeding with installation. © Copyright held by Geofabrics Australasia Pty Ltd. All rights are reserved and no part of this publication may be copied without prior permission.

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