

TERRADRAIN™ 600S DRAINAGE BLANKET

SINGLE CUSPATED / DIMPLED / NON PERFORATED CORE

PRODUCT DESCRIPTION

TerraDrain™ 600S is a high performance, high compressive strength, high flow drainage composite consisting of a three dimensional, high impact single cusped / dimpled, non-perforated HDPE core combined with a non-woven filter fabric wrap. The product is effectively impermeable one face.

The filter fabric is bonded to the individual dimples of the core to minimise fabric intrusion into the flow channels caused by backfill pressure. The fabric prevents small soil particles from clogging the drainage channels but allows water / moisture to pass freely.

TYPICAL USES

- Geomembrane / liner subgrade gas vent
- Sports field drainage blanket
- Foundation / secant pile drainage
- Behind retaining structures generally
- Cut-off / interceptor drains
- Roof decks / roof top gardens

FEATURES & BENEFITS

- High compressive strength
- Low profile
- Drainage aggregate not required
- Supplied in man hand able rolls
- Easily and quickly deployed

Terradrain™ 600S Specification Sheet

FILTER FABRIC	TNZ specification F/7 Class A compliant Polypropylene non woven needle punched & heat treated long staple fibre			
	Property	Unit	Value	Standard
	Thickness at 2kPa	mm	1.2	EN ISO 9863-1
	Tensile strength MD/CD	kN/m	9.5/9.5	EN ISO 10319
	Pore size 0 ⁹⁰	micron	115	EN ISO 12956
	Elongation at peak MD/CD	%	45/45	EN ISO 10319
CORE	High Density Polyethylene (HDPE) Single Cusped (Dimpled one face)			
	Carbon black content	%	0.8 to 2.5	ASTM D1603
COMPOSITE				
	Thickness at 2kPa	mm	6.1	EN ISO 9863-1
	Mass / square metre	g	670	EN ISO 9864
	Useable Tensile strength MD/CD	kN/m	13/12	EN ISO 10319
	Elongation at peak MD/CD	%	45/40	EN ISO 10319
	Perpendicular Water Inflow each side			
	Water flow at 50mm / square metre	l/sec	95	EN ISO 11058
	At 2kPa permeability coefficient	m/s	2.5 x 10 ⁻³	EN ISO 11058
	In-plane water flow		HG=1.0 HG=0.1	
	at 20kPa pressure	l/m/sec	1.6 0.48	EN ISO 12958
	at 100kPa pressure	l/m/sec	1.35 0.38	EN ISO 12958
	at 200kPa pressure	l/m/sec	1.10 0.29	EN ISO 12958
	Roll Size ex stock : other sizes to order	m	2.2 wide x 25 long	

Notes

- 1) The values given are indicative and correspond to nominal results obtained in our laboratories and testing institutes. In line with our policy of continuous improvement the right is reserved to make changes without notice at any time.
- 2) The tolerance on roll length is 1.5% and on roll width 1.0%.
- 3) The above figures have been obtained from statistical interpretation of test results.
- 4) Tested with soft foam contact surfaces to simulate textile intrusion into the core due to soil pressure.
- 5) Design life of 120 years (manufacturers declaration)
- 6) Resistant to chemicals commonly found in soils(EN 14030) and to microbes commonly found in soils (EN 12225).
- 7) Compatible with all granular backfills and most common soils.
- 8) Final determination of the suitability of any information is the sole responsibility of the user.
- 9) TerraDrain™ Finesse 600S is not a tanking / waterproofing membrane.

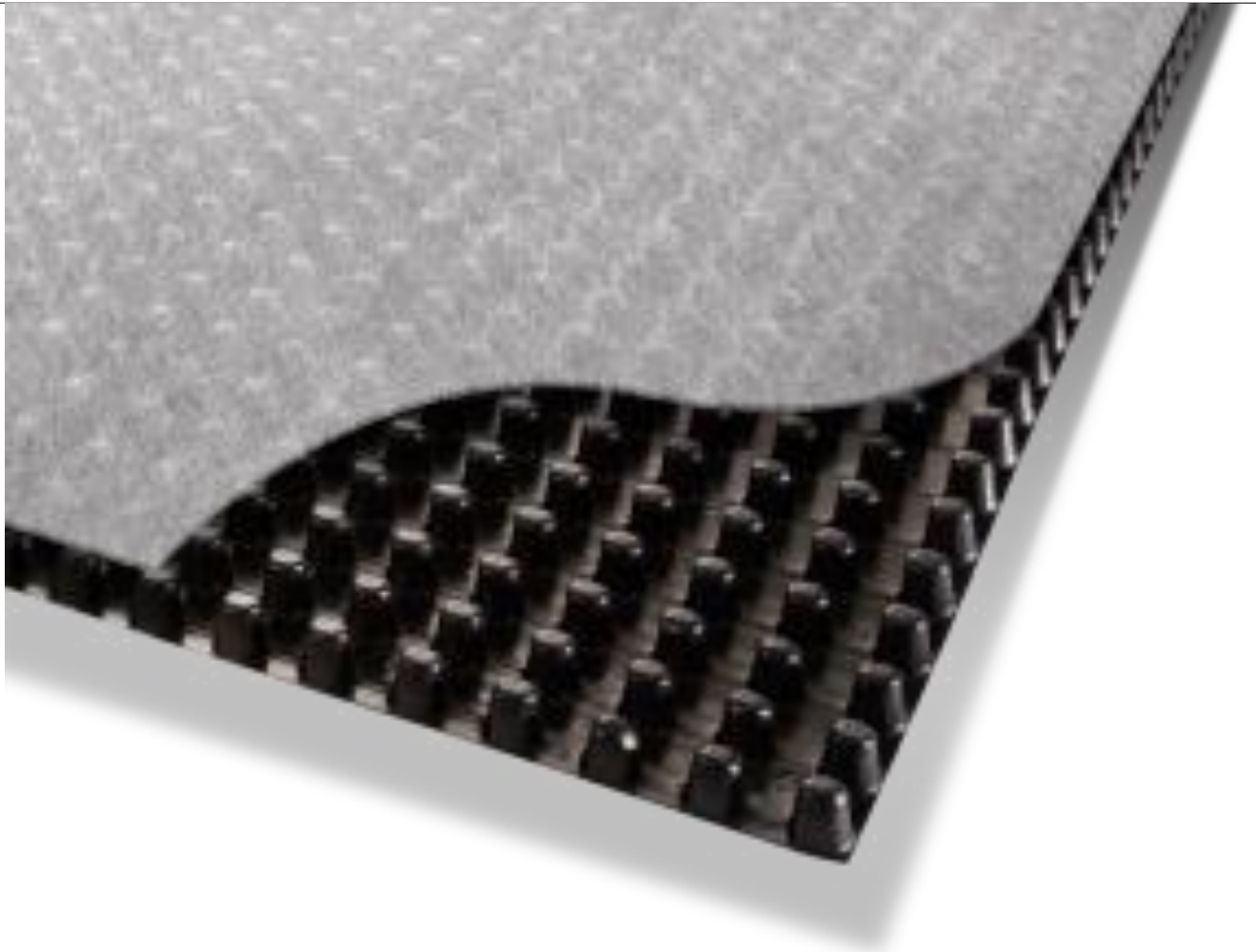
GENERAL INSTALLATION NOTES

Install TerraDrain™ 600S to the gradient detailed in the contract documents.

To form butt joints peel back the filter fabric and lap / splice the core cusps 50mm then pull the free fabric flap down over the butt joint, PVC tape the filter fabric lap / seam.

Non-cohesive native soils can be used as backfill but coarse sand is the suggested backfill material

Limit exposure of the fabric to ultra violet (UV / sun rays) light to a maximum period of 14 days.



TerraDrain™ 600s Drainage Blanket



Barrel Roof Drainage Blanket

