

Frost Blanket geocomposite

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Product Data Sheet Issue: 05 Date: Page: 1 of 2

Composition Drainage core with a filter bonded to both sides. The composite acts as a

permeable, capillary break within soils to prevent frost heave.

Upper filter: T2000UV white manufactured from fibres with polypropylene core (70%)/

polyethylene sheath (30%)

Core: Extruded polyethylene (PE) net

Lower filter T2000UV brown manufactured from hydrophobically enhanced fibres with

polypropylene core (70%)/polyethylene sheath (30%)

Hydraulic Properties - Composite (Mean values)				
In-plane Water Flow	EN ISO 12958	20kPa	I/m.s	0.50
hydraulic gradient = 1.0 , hard/hard		200kPa	1/111.5	0.25
plattens & measured in the longitudinal	direction			
Mechanical Properties - Composite (Mean values)				
Tensile Strength	EN ISO 10319	MD	kN/m	30
CBR Puncture Resistance	EN ISO 12236		Ν	5000
Physical Properties - Composite (Typical values)				
Physical Properties - Com	iposite (Typical	valuesy		
Mass per Unit Area	EN ISO 9864	varaesy	g/m²	820
·		valuesy	g/m² mm	820 5.5
Mass per Unit Area	EN ISO 9864	varacsy		
Mass per Unit Area Thickness (2kPa)	EN ISO 9864	varacsy	mm	5.5
Mass per Unit Area Thickness (2kPa) Roll Width	EN ISO 9864	varues	mm m	5.5 2.0 or 4.0



Durability

This product is predicted to be durable for more than 25 years in soils with a pH in the range 2 to 14 and with a temperature of less than 25°C.

Chemical resistance

Polypropylene and polyethylene are unaffected by the chemicals which normally exist in soils.

Biological resistance

Polypropylene and polyethylene are not nutrients for micro-organisms and do not provide nourishment for animals & insects.

UV exposure

Fiberweb Geosynthetics' products are delivered to site in polyethylene wrapping to protect against the effects of ultra-violet radiation. It is recommended that the products remain wrapped until their installation.

Once unwrapped, the products should be completely covered with fill within 14 days to avoid exposure to UV radiation.

Versions of most products can be manufactured with enhanced UV performance by incorporating stabilisers. These versions carry the suffix UV. The remaining properties are identical to the corresponding standard grade.

Adequate precautions should always be taken to protect all products from UV radiation to achieve the stated durability.

Notes:

- Refer to the Terram Jointing Methods
 (downloadable from www.terram.com) for when
 simple overlaps are required for subsequent and
 adjacent roll lengths. However, pegging, sewing,
 stapling or gluing can also be used depending
 upon the application, the sub-grade conditions,
 the loading, the convenience and the cost.
- These figures relate to standard product weights and roll sizes. Other weights, sizes and colours may be available on request. For further information please contact Fiberweb Geosynthetics' Technical Support.

As part of its continual improvement process Fiberweb Geosynthetics Ltd reserve the right to change the properties listed on this data sheet without prior notice.

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