TERRAM
Geosynthetics you can trust

Frost Blanket geocomposite

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Product Data Sheet

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 hydraulic gradient = 1.0 , hard/hard plattens & measured in the longitudinal direction	EN ISO 12958	20kPa 200kPa	l/m.s	0.50 0.25
Mechanical Properties - Composite (Mean values)				
Tensile Strength	EN ISO 10319	MD	kN/m	30
CBR Puncture Resistance	EN ISO 12236		N	5000
Physical Properties - Composite (Typical values)				
Mass per Unit Area	EN ISO 9864		g/m^2	820
Thickness (2kPa)	EN ISO 9863-1		mm	5.5
Roll Width			m	2.0 or 4.0
Roll Length			m	25 or 100
Roll Weight			kg	55
Filter Overlap (one side)			mm	100

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^{0}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:

1. 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.
2. 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.