

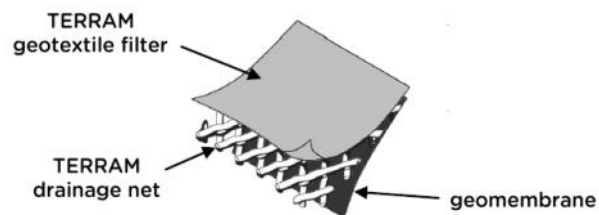
PW3.1

Impermeable membrane drainage composite

PRODUCT DATA SHEET

Date: 18/08/2017/ Issue 2a

Composition:	Drainage core with filter/ separator bonded to one side & a barrier membrane bonded to the other
Core:	Extruded polyethylene (PE) net
Filter/ Separator:	Non- woven geotextile manufactured from high tenacity virgin polypropylene fibres
Barrier:	Extruded geomembrane (PE/EVA)



Mechanical Properties			
Tensile Strength (MD & CD)	EN ISO 10319	kN/m	30
CBR Puncture Resistance	EN ISO 12236	N	5200
Hydraulic Properties			
In- plane Water Flow	EN ISO 12958	l/m.s @20kPa	0.65
Hydraulic gradient= 1.0 , hard/hard plattens & measured in the longitudinal direction	EN ISO 12958	l/m.s @100kPa	0.60
	EN ISO 12958	l/m.s @200kPa	0.55
Physical Properties (Typical Values)			
Mass per Unit Area	EN 965	g/m ²	1100
Thickness	EN 964	mm	5.5
Roll Dimensions			
Roll Width		m	4.0
Roll Length		m	25
Roll Weight		Kg	125



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Impermeable membrane drainage composite

Durability

This product is predicted to be durable for more than 25 years in soil 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 the 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.



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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