

## PW2.0 Robust Separator

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### Product Data Sheet

Issue: 02 Date: 18.07.13 Page: 1 of 2

TERRAM™ PW2.0 is approved by Network Rail - Cat No 57/100777

#### Composition

Extruded polyethylene net with a Terram PW1 Geotextile filter bonded to both sides.

#### Mechanical Properties (Mean values)

Tensile Strength (MD)	EN ISO 10319	kN/m	52.5
CBR Puncture Resistance	EN ISO 12236	N	9000

#### Hydraulic Properties - PW2.0 (Mean values)

In-plane Water Flow	EN ISO 12958	l/m.s @20kPa	0.475
hydraulic gradient = 1.0 , hard/hard		l/m.s @100kPa	0.390
plattens & measured in the longitudinal		l/m.s @200kPa	0.300
direction		l/m.s @400kPa	0.180

#### Hydraulic Properties - geotextile (Mean values)

Opening Size	EN ISO 12956	μm	60
Permeability	EN ISO 11058	l/m <sup>2</sup> s	30

#### Physical Properties (Typical values)

Thickness at 2kPa	EN ISO 9863-1	mm	6.3
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#### Roll Dimensions<sup>(2)</sup>

Roll Width	m	4.0
Roll Length	m	25
Roll Weight	kg	

# 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:

1. Refer to the *Terram Jointing Methods* (downloadable from [www.terram.com](http://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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