

**TERRAM ROOTGUARD™
& TERRAM ROOTGUARD Plus**

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Product Data Sheet

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Composition:

TERRAM ROOTGUARD: Non-woven geotextile
TERRAM ROOTGUARD Plus: Non-woven geotextile extrusion coated with high density polyethylene

			TERRAM ROOTGUARD	TERRAM ROOTGUARD Plus
Mechanical properties (Mean values)				
Tensile Strength	EN ISO 10319	kN/m	18.0	14.0
Elongation	EN ISO 10319	%	30	25
CBR Puncture Resistance	EN ISO 12236	N	3250	2550
Physical properties (Typical values)				
Mass per unit area	EN ISO 9864	g/m ²	260	275
Roll dimensions ₍₂₎				
Roll Width		m	2.25	2.00
Roll Length		m	25	25

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 e.g. rats and termites.

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.

UV resistant versions of most products can be manufactured to suit local conditions. This enhanced resistance is as a result of blending stabilisers into the polymers. Otherwise, the properties are identical to the corresponding standard grade. Products with enhanced UV resistance carry the suffix UV (e.g. Terram 1000 UV).

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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