TERRAM
Geosynthetics you can trust

HYDROTEX™ 2.0

Fiberweb Maldon
Fiberweb Geosynthetics Ltd
Blackwater Trading Estate
The Causeway
Maldon CM9 4GG
United Kingdom

T: +44 (0)1621 874200
F: +44 (0)1621 874299

Product Data Sheet

HYDROTEX 2.0 is approved by Network Rail—Certificate No PA05/05451

Mechanical Properties (Mean values)			
Wide-width strip tensile - Mean peak strength - Elongation at peak strength	EN ISO 10319	kN/m %	95 75
CBR Puncture Resistance - Mean peak strength	EN ISO 12236	kN	18
Cone Drop - Mean hole diameter	EN 13433	mm	0
Filter Properties			
Pore Size [1] - Mean AOS	ASTM F316-03 (2011)	µm	<1
Permeability - VI_{280} - 0.28m Head	EN ISO 11058	l/m^2s	0.03
Physical Properties (Typical values)			
Weathering - Retained strength at 200MJ/m^2 exposure	EN 12224	%	>90
Microbiological resistance - Retained strength	EN 12225	%	No loss [2]
Resistance to acids & alkalis - Retained strength	EN 14030	%	No loss [2]
Oxidation - Retained strength at 85 days	EN 12225	%	>90

1. ASTM F316-03 has been used as an alternative to ISO 12956 to allow for accurate measurement of a micro-porous nonwoven
2. No loss identifiable as a result of exposure - sample variation could still result in a variable loss.

Durability

This product is predicted to be durable for more than 100 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.