

# TECHNICAL DATA SHEET



## DESCRIPTION

Earthworx NW 1000 is a non-woven geotextile fabric manufactured from 100% virgin polypropylene fibres giving excellent durability and mechanical resistance.

## APPLICATIONS

Earthworx is typically used for ground stabilisation and drainage/filtration in groundwork, civil engineering, landscape and building works. It can be used for separation, filtration, drainage and reinforcement in a variety of applications including;

- Roads and driveways
- Highways, airport runways etc
- Car parks and areas of hardstanding
- Paved areas
- Land drains, soakaways and SUDS installations
- Railway construction
- Hydraulic works e.g. guiding of river channels, irrigation ditches, pools and coastlines etc
- Foundations and retaining structures
- Erosion control and protection.

PROPERTIES	TEST METHOD	UNIT	VALUE	TOLERANCE
Tensile Strength (MD = Machine Direction CMD = Cross Machine Direction)	EN ISO 10319	kN/m	MD = 8.00 CMD = 8.00	- 1.00
Elongation at maximum load (MD = Machine Direction CMD = Cross Machine Direction)	EN ISO 10319	%	MD = 45.00 CMD = 55.00	+/- 10.40 +/- 12.70
Dynamic Perforation Resistance (Cone Drop)	EN ISO 13433	mm	34.00	+ 8.50
Static Puncture Resistance (CBR)	EN ISO 12236	kN	1.24	- 0.12
Characteristic Opening Size (Pore Size) O <sub>90</sub>	EN ISO 12956	µm	120.00	+/- 36.00
Water Flow/Permeability	EN ISO 11058	l/m <sup>2</sup> s	110.00	- 33.00
Water flow capacity in the plane at 20kPa	EN ISO 12958	m <sup>2</sup> /s	-	-
Mass per unit area	EN ISO 9864	g/m <sup>2</sup>	100.00	+/- 10.00
Thickness under 2 kPa	EN ISO 9863-1	mm	1.00	+/- 0.20
Size(s)	-	m	4.5 x 100	-
Durability	EN ISO 12224	Can be left exposed for a maximum of 2 weeks following installation.		
Oxidation Resistance	EN ISO 13438	Predicted to be durable for a minimum of ≥ 100 years in natural soil with 4 < pH < 9 and temperatures < 25°C		

The information contained in this data sheet replaces any previous information and all specifications and technical data appearing here must be used as guidelines, since they correspond to average values tested at laboratory. It is the responsibility of all users to satisfy themselves that the above data is current. This technical data sheet does not offer any warranty (express or implied) regarding the suitability of any product for your use as site conditions and requirements can vary. Growtivation reserves the right to alter product specifications and technical data without prior notice.



Growtivation is a trading name of REG Group Ltd.  
Registered in England & Wales. Company No. 10671288.

Kingsway House  
23a Marlborough Road  
Lancing Business Park  
Lancing, West Sussex  
BN15 8TR

T 01903 765444  
F 01903 765443  
E sales@growthivation.com  
W www.growthivation.com

VAT No. GB755055136