Technical Data Sheet

STANDARD GEOTEXTILES

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Plant • Protect • Enhance • Improve

Ground, Wind, Weed and Erosion Control

Non-woven geotextile manufactured from UV stabilised, high tenacity, virgin polypropylene fibres that have been both mechanically and thermally bonded to provide a highly permeable yet durable separation and filtration layer.

Applications

Standard geotextiles are the original non-woven geotextiles for separation and filtration applications.
Typical uses include the prevention of intermixing of sub-base and subgrade layers, drainage and bedding materials. Terram filters/separators are used extensively in the construction of:

- Paved and unpaved roads
- Railways
- Car parks and hardstandings
- Cycleways and footpaths
- Sustainable Drainage Systems (SuDS)

Features and Benefits

- Manufactured from inert high tenacity virgin polypropylene fibres giving excellent long term durability in all soil types
- High static and dynamic puncture resistance ensures a low risk of damage during construction
- Random orientated web with isotropic properties provide the same strength, permeability and filtration in all directions
- High elongation at break maintains separation and filtration function under load particularly in soft and variable ground conditions

Approval

Network rail PADS certificate numbers;
T1000 057/100703
T2000 57/100705
T3000 57/100706 (4.5m wide x 100m long rolls)
T4000 057/100709 (4.5m wide x 50m long rolls)

Product Specification

Properties	Test Method	Unit	T700	T1000	T1000 Orange	T1300	T1500	T2000	T3000	T4000	T4500
Mechanical	**BS8661 classification profile**			**1**	**1**	**1**	**2**	**3**	**3**	**3**	**3**
Tensile Strength	EN ISO 10319	kN/m	6	8	8	10	12.5	14.5	18	22	30
Tensile Elongation	EN ISO 10319	%	60	60	60	60	60	60	60	60	60
CBR Puncture Resistance	EN ISO 12236	N	1050	1500	1500	2000	2250	2750	3250	4300	5350
Cone Drop	EN ISO 13433	mm	42	38	38	34	32	26	24	22	14
Hydraulic											
Pore Size - Mean AOS	EN ISO 12956	µm	95	90	90	65	65	65	60	60	60
Permeability - (H50)	EN ISO 11058	l/m^2s	100	90	90	65	65	55	50	30	30
Durability											
Weathering (UV Exposure)	EN 12224	days	30	30	30	30	30	30	30	30	30
Combined Ageing (Oxidation, temperature and moisture)	EN ISO 13438	service life (years)	50	100	100	100	100	100	100	100	100
Material Dimensions											
Standard Roll Length		m	150	100	100	100	100	100	100	50	50
Standard Roll Width		m	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Maximum Roll Width		m	6	6	6	6	6	6	6	6	6
Gross Roll Weight (nominal)		kg	40	54	54	70	78	94	112	74	90

Packaging and Identification
Standard Geotextiles are supplied on cardboard cores and wrapped in Polyethylene sheeting with identification labels in accordance with ISO 10320.

Storage
The rolls should be stored on stable/level ground and stacked no more than 5 rolls high with no other materials on top. Packaged rolls can be stored outside but should be protected from UV exposure. Materials should be stored in accordance with good health and safety practice in accordance to local laws.

Quality
Supplied having met internal quality requirements in accordance with our Quality Management system which is certified to BS EN ISO 9001:2015.

Notes
Report values are arithmetic mean values unless otherwise stated. Reported values related to durability testing are generally based on the lowest grade product within a family. Nominal value indicates the value is not part of the performance specification and is guidance only. Gross roll weight is based on standard roll dimensions and is provided for lifting guidance only, it does notform part of quality control procedure.

Additional Information
Refer to Terram Jointing Methods for when simple overlaps are required for subsequent and adjacent roll lengths. Pegging, sewing, stapling or gluing can also be used depending upon the project conditions, loading and costs. Standard data above, other weights and sizes available on request.

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