



TECHNICAL DATA SHEET

Revision 6dd. 03-Dec-2015

GeoMatt TB16

Non-Woven Geotextile manufactured from UV-stabilized polypropylene staple fibre, Thermally Bonded

Suitable for the following applications:

<input checked="" type="checkbox"/>		EN 13249:2000+A1:2005: Characteristics required for use in the construction of roads and other trafficked areas	<input checked="" type="checkbox"/>		EN 13250:2000+A1:2005 : Characteristics required for use in the construction of railways
<input checked="" type="checkbox"/>		EN 13251:2000+A1:2005 : Characteristics required for use in earthworks, foundations and retaining structures	<input checked="" type="checkbox"/>		EN 13252:2000+A1:2005 : Characteristics required for use in drainage systems
<input checked="" type="checkbox"/>		EN 13253:2000+A1:2005 : Characteristics required for use in erosion control works (coastal protection, bank revetments)	<input checked="" type="checkbox"/>		EN 13254:2000+A1:2005 : Characteristics required for use in the construction of reservoirs and dams
<input checked="" type="checkbox"/>		EN 13255:2000+A1:2005 : Characteristics required for use in the construction of canals	<input checked="" type="checkbox"/>		EN 13256:2000+A1:2005 : Characteristics required for use in the construction of tunnels and underground structures
<input checked="" type="checkbox"/>		EN 13257:2000+A1:2005 : Characteristics required for use in solid waste disposal	<input checked="" type="checkbox"/>		EN 13265:2000+A1:2005 : Characteristics required for use in liquid waste containment projects

Functions:

Separation	Reinforcement	Protection	Drainage	Filtration
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Characteristic	Test Method	Unit	Nominal Value	Tolerance	
Mass per unit area	EN ISO 9864	g/m ²	200	- 20	
Thickness	EN ISO 9863-1	mm	1.45	± 0.29	
Wide – Width Tensile Strength	EN ISO 10319	kN/m	MD	18	- 10%
			CMD	18	- 10%
			MD	45	-9 %
Elongation	EN ISO 10319	%	CMD	50	- 10%
Static Puncture Resistance - CBR	EN ISO 12236	N	2800	- 280	
Dynamic Perforation Test – Cone drop	EN ISO 13433	mm	19	+3.8mm	
Characteristic Opening Size	EN ISO 12956	µm	70	± 21	
Permeability normal to the plane	EN ISO 11058	m/s	80 x 10 ⁻³	- 24	
Water Flow Capacity in the plane	EN ISO 12958	m ² /s	7 x 10 ⁻⁷	2.1 x 10 ⁻⁷	
Durability Prediction	To be covered within 14 days after installation. Predicted to be durable for more than 25 years in natural soils with 4<ph<9 and soil temperature < 25 °C				
Oxidation Resistance	EN ISO 13438	Excellent			
Resistance to Weathering	EN 12224	Excellent			
Microbiological Resistance	EN 12225	Excellent			

MD : Machine Direction – CMD : Cross Machine Direction – NR : Not Required for application

TOLERANCE ON ROLL WIDTH: ± 5 cm. TOLERANCE ON ROLL LENGTH: ± 2% IF LENGTH ≤ 200 m, ± 1% IF LENGTH > 200 m.
STANDARD CORES: HDPE/PP, DIAMETER INNER 84 mm / OUTER 90 mm ± 5%. TOLERANCE ON GROSS/NET WEIGHT ± 10%.

TECHNICAL DATA BASED ON STATISTIC ANALYSIS ON 95% CONFIDENCE LIMIT. PRESENT DATA SHEET CAN BE MODIFIED WITHOUT PRIOR NOTICE

Issued	
Date	MDM
01/01/2016	MDM

Verified	
Date	PHG
01/01/2016	PHG

Approved	
Date	MNV
01/01/2016	MNV