

# TM300 SERIES

## TECHNICAL DATASHEET

<b>Geomembrane (GMB) type</b>	Bituminous
<b>Composition</b>	Geocomposite
<b>Main function</b>	Impermeabilisation

Property	Method	ES1	ES2	ES3
<b>Physical</b>				
Geocomposite				
Glass mat		50 g/m <sup>2</sup>	50 g/m <sup>2</sup>	50 g/m <sup>2</sup>
Non-woven geotextile		200 g/m <sup>2</sup>	250 g/m <sup>2</sup>	300 g/m <sup>2</sup>
Elastomeric SBS		3800 g/m <sup>2</sup>	4300 g/m <sup>2</sup>	4800 g/m <sup>2</sup>
Sand		200 g/m <sup>2</sup>	200 g/m <sup>2</sup>	200 g/m <sup>2</sup>
Polyester		15 g/m <sup>2</sup>	15 g/m <sup>2</sup>	15 g/m <sup>2</sup>
Weight	ASTM D3776	4.20 kg/m <sup>2</sup>	4.85 kg/m <sup>2</sup>	5.80 kg/m <sup>2</sup>
Thickness	ASTM D5199	3.50 mm	4.00 mm	4.80 mm
<b>Mechanical</b>				
Tear strength (MD/CD)	ASTM D4073	750 / 500 N	825 / 700 N	950 / 850 N
Tensile strength (MD/CD)	ASTM D7275	22 / 18 kN/m	27 / 24 kN/m	33 / 29 kN/m
Elongation at break (MD/CD)	ASTM D7275		60%	
Wide width tensile strength (MC/CD)	ASTM D4595	17 / 13 kN/m	21 / 25 kN/m	29 / 24 kN/m
Wide width elongation at break (MD/CD)	ASTM D4595		80%	
Puncture resistance	ASTM D4833	450 N	530 N	570 N
Flexibility at low temperature	ASTM D5147		-20 °C	
<b>Hydraulique</b>				
Water vapor transmission rate	ASTM E96		6 x 10 <sup>-14</sup> m/s	
Gas permeability	ASTM D1434		< 2.3 x 10 <sup>-14</sup> m <sup>3</sup> /(m <sup>2</sup> ·j·amt)	
<b>Dimensions</b>				
Width	-	5.1 m	5.1 m	5.1 m
Length	-	90 m	80 m	65 m

This technical information comes from the manufacturer and was transcribed by Texel.

Properties are typical values

TM300 ES4 also available on request

Rolls must not be stored directly on the ground. They must be laid supported on concrete blocks, trestles or timber beams min 35cm/1.2 ft height, placed under the mandrel ends.