

# RhinoMat 1000 Specification

40 Mil (1.0mm) Geomembrane with Surfex Technology

Product data	RhinoMat 1000			
Composition: Top layer Coater layer : Top and Bottom Mid layer	Surfex™-Polyolefin Blend  Black LLDPE / LDPE High strength HDPE woven core			
Colour	Black			
Technical data	Unit	Value	Tolerance	Test method
Length	m	25 / 381		EN 1848-2
Width	m	1.8 / 3.66		ASTM D751
Thickness	mm	0.92 – 1.01		ASTM D751
Weight (min ave.)	g/m <sup>2</sup>	688		ASTM D751
Strip Tensile strength (min ave.) (MD)	N	1268		ASTM D7003
Strip Tensile strength (min ave.) (CD)	N	1152		ASTM D7003
Strip Tensile Elongation (min ave.) (MD/CD)	%	20		ASTM D7003
Trapezoidal Tear MD/CD ( Typ)	N	325 / 307		ASTM D4533
CBR Puncture ( min ave)	N	6050		ASTM D6241
Index Pin Puncture-resistance (min ave.)	N	979		ASTM D4833
Hydrostatic Resistance(min ave)	kPa	4875		ASTM D751
Dimensional Stability ( %Change ,Max)	%	2.86		ASTM D1204
Water Vapour transmission (max ave.)	g/m <sup>2</sup> –day	<0.08	Pass	ASTM E96
UV Resistance				ASTM D7238
Strength and Elongation retained after 10,000 light hours	%	> 90 retained	Pass	ASTM D7003
Response to bending		No Cracking	Pass	GRI –GM16

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