

RhinoMat 500 Specification

24 Mil (0.61mm) Geomembrane with Surfex Technology

Product data	RhinoMat 500			
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 / 609		EN 1848-2
Width	m	1.8 / 3.66		ASTM D751
Thickness	mm	0.56 - 0,73		ASTM D751
Weight (min ave.)	g/m ²	415		ASTM D751
Strip Tensile strength (min ave.)	N	1179		ASTM D7003
Strip Tensile Elongation (min ave.)	%	21		ASTM D7003
Trapezoidal Tear MD/CD (Typ)	N	280 / 280		ASTM D4533
CBR Puncture (min ave)	N	5502		ASTM D6241
Index Pin Puncture-resistance (min ave.)	N	890		ASTM D4833
Hydrostatic Resistance(min ave)	kPa	1419		ASTM D751
Dimensional Stability (%Change ,Max)	%	< 3	Pass	ASTM D1204
Water Vapour transmission (max ave.)	g/m ² –day	<0.5	Pass	ASTM E96
UV Resistance				ASTM D7238 ASTM D7003
Strength and Elongation retained after 10,000 light hours	%	> 50 retained	Pass	ASTM D7003
Response to bending		No Cracking	Pass	GRI –GM16

JAN 2018