

RhinoMat 750 Specification

30 Mil (0.76mm) Geomembrane with Surfex Technology

Product data	RhinoMat 750			
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 / 457		
Width	m	1.8 / 3.66		
Thickness	mm	0.76		ASTM D751
Weight (min ave.)	g/m ²	581		ASTM D5261
Strip Tensile strength (MD/CD) (min ave.)	N	996/1165		ASTM D7003
Strip Tensile Elongation (MD/CD) (min ave.)	%	21/21		ASTM D7003
Tongue Tear MD/CD (Typ)	N	222/222		ASTM D5884
CBR Puncture (min ave)	N	5787		ASTM D6241
Index Pin Puncture-resistance (min ave.)	N	885		ASTM D4833
Hydrostatic Resistance(min ave)	kPa	4861		ASTM D751
Dimensional Stability (%Change ,Max)	%	1.52		ASTM D1204
Water Vapour transmission	g/m ² –day	0.09		ASTM E96
UV Resistance				ASTM D7238
Strength and Elongation retained after 10,000 light hours	%	> 90		ASTM D7003
Response to bending		No Cracking	Pass	GRI –GM16
Grab Tensile strength (MD/CD)	N	1713/1713		ASTM D751
Trapezoidal Tear (MD/CD)	N	294/294		ASTM D4533
Seam Strength (Shear/Peel)	N	445/111		ASTM D7747
Hydraulic Conductivity	Cm/sec	1.0 x 10 ¹⁴		ASTM E96 ('B')
Carbon Black Content	%	>2		ASTM D4218
Accelerated UV Weathering	% @ 10,000hrs	> 90		ASTM G154
Low temperature Brittleness	@-51°C	Pass		ASTM D2136

April 2019