

Gridline 750 Specification

LDPE Geomembrane.

Product data	Monarflex® Gridline 750			
Composition: Top layer Coater layer Grid layer Bottom layer	Black LDPE blown film Black LDPE Grid, 12x12mm, 1100 dtex, polyester Black LDPE blown film			
Colour	Black			
Application	100 -150 mm overlapping and either sealed with double-sided butyl tape or welded.			
Technical data	Unit	Value	Tolerance	Test method
Length	m	25	+1% -0%	EN 1848-2
Width	m	2 or 4	+/-2%	EN 1848-2
Thickness	mm	0,85	+/- 10%	EN 1849-2
Weight	g/m ²	725	+/- 5%	EN 1849-2
Straightness	Pass/Fail	Pass		EN 1848-2
Visible defects	Visible	No visible defects		EN 1850-2
Tensile strength	N/50mm	MD: ≥370 CD: ≥370		EN 12311-1
Elongation	%	MD: ≥15 CD: ≥15		EN 12311-1
Water tightness	Pass/Fail	Pass at 2 kPa Pass at 60 kPa		EN 1928, Method A Method B
Dimensional stability	%	≥ 2%		EN1107-2
Sd value	m	120	±30%	EN 1931
Water vapour transmission	kg/(m ² .sPa)	1.50x10 ⁻⁹	±30%	EN 1931
Tear resistance	N	MD: ≥300 CD: ≥250		EN 12310-1
Resistance to static loading	kg	≥ 20		EN 12730, Method B
Temperature range	°C	-40 to +80		
Resistance to impact	mm	≥ 350		EN 12691, Method A
Puncture Resistance	N	294		FTMS 101B, Method 2031
Cold flexibility	Pass/Fail	Pass at -20°C		EN 1109
Bitumen compatibility	Pass/Fail	Pass at 2 kPa		EN 1548 / EN 1928 A
Joint strength, tape	N/50mm	≥ 50		EN 12317-2
Reaction to fire	Class	Class F		EN 13501-1
Water tightness		Pass at 2 kPa		EN 1928 A
Durability of water tightness against ageing	kPa	Pass at 2 kPa		EN 1296/ EN 1928 A
Durability of water tightness against chemicals	kPa	Pass at 2 kPa		EN 1847/ EN 1928 A
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