


Properties:

The MONARFLEX® Reflex Super Sand/Black membrane is a six layer gas and moisture barrier. Top layer is sand coloured and bottom layer is black.

Product data	Monarflex® Reflex Super Sand/Black			
Composition:				
Top layer	LDPE with stabilizers, Sand (brown)			
Coater layer	LDPE with stabilizers			
Aluminium	12 micron aluminium			
Coater layer	LDPE with stabilizers			
Reinforcement	PP, 8x8 leno grid			
Bottom side	LDPE with stabilizers, Black			
Colour	Sand/Black			
Application	100 mm overlapping and sealed with double-sided butyl tape or welding.			
Technical data	Unit	Value	Tolerance	Test method
Length	m	25	+1% -0%	EN 1848-2
Width	m	2	+1% -0,5%	EN 1848-2
Thickness	mm	0,40	+/- 20%	EN 1849-2
Weight	g/m ²	360	+/- 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: > 500		EN 12311-1
		CD: > 450		
Elongation	%	MD: > 15		EN 12311-1
		CD: > 11		
Radon transmittance	10 ⁻⁹ m/s	< 3		SP internal test
Radon permeability	10 ⁻¹² m ² /s	< 1		SP internal test
Methane gas transmission	cm ³ /(m ² .d.bar)*	≤ 0.12		ISO 15105-1
Sd value	m	>1500m		EN 1931
Water vapour transmission	(m ² .s.Pa)/kg	6,18x10 ⁻¹⁴	4,68x10 ⁻¹⁴	EN 1931
Nail tear resistance	N	MD: > 350		EN12310-1
		CD: > 350		
Resistance to static loading	N	Pass at 200N		EN 12730, Method B
Impact resistance	mm	≥ 250mm		EN 12691, Method A
Bitumen compatibility	Pass/Fail	Pass class W1		EN 1548
Joint strength tape	N/50mm	57		EN 12317-2
Joint strength welding	N/50mm	320		EN 12317-2
Water tightness to liquid water	kPa	Pass at 2 kPa		EN1928
Durability of water tightness against ageing	kPa	Pass at 2 kPa		EN 1296
Durability of water tightness against chemicals	kPa	Pass at 2 kPa		EN 1847
Classification	Moisture Barrier Type A – EN 13967			
			Monarflex sro Továrnská 1, SK 943 03 Stúrovo, Slovakia 09 1162-CPD-0254	

*a measurement in cm³/(m².d.bar) is directly equivalent to one in ml/day/m²/atm

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