

**Application:**

The MONARFLEX® Blackline 1500 membrane is a robust geo and moisture barrier to be used over the foundation of houses and buildings, for separating of different materials.

**Properties:**

The MONARFLEX® Blackline 1500 membrane is a several layer moisture barrier with layers of blown film laminated together by a coater layers.

Product data	MONARFLEX® Blackline 1500			
Composition:				
Top layer	black LDPE blown film			
Coater layer	black LDPE			
Blown film layer	black LDPE blown film			
Coater layer	black LDPE			
Blown film layer	black LDPE blown film			
Coater layer	black LDPE			
Bottom layer	black LDPE blown film			
Colour	Black			
Application	100-150 mm overlapping and either sealed with double-sided butyl tape or welded together by Monarflex Extrusion Welding.			
Technical data	Unit	Value	Tolerance	Test method
Length	m	25 / 50 / 75 / 100	+1% -0%	EN 1848-2
Width	m	4,00	+/- 2%	EN 1848-2
Thickness	mm	0,99	+/- 10%	EN 1849-2
Weight	g/m <sup>2</sup>	925	+/- 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: > 700		EN 12311-2
		CD: > 720		
Elongation	%	MD: > 550		EN 12311-2
		CD: > 550		
Radon transmittance	10 <sup>-9</sup> m/s	7		SP internal test
Radon permeability	10 <sup>-12</sup> m <sup>2</sup> /s	7		SP internal test
Sd value	m	237	±50	EN 1931
Water vapour transmission	kg/(m <sup>2</sup> .s.Pa)	8,28x10 <sup>-13</sup>	±3,05x10 <sup>-14</sup>	EN 1931
Nail tear resistance	N	MD: > 400		EN12310-1
		CD: > 400		
Resistance to static loading	N	Pass at 200N		EN 12730, Method B
Impact resistance	mm	350 mm		EN 12691, Method A
Bitumen compatibility	Pass/Fail	Pass class W1		EN 1548
Joint strength, tape	N/50mm	>60 N		EN 12317-2
Water tightness to liquid water	kPa	Pass at 2 kPa		EN1928
Durability of water tightness against ageing	kPa	Pass at 2kPa		EN 1296
Durability of water tightness against chemicals	kPa	Pass at 2 kPa		EN 1847
Classification	<b>Moisture Barrier Type A – EN 13967</b>			



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