

**Application:**

The MONARFLEX® Blackline 500 membrane is a geo and moisture barrier to be used over the foundation of houses and buildings, separating different material, preventing water from penetrating etc.

**Properties:**

The MONARFLEX® Blackline 500 membrane is a four layer moisture barrier with two layers of blown film laminated together by a coater layer.

Product data	MONARFLEX® Blackline 500			
Composition: Top layer Coater layer Bottom layer	black LDPE blown film black LDPE 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 e.g.	-0% / +1,0%	EN 1848-2
Width	m	4,00	-0,5% / +1,5%	EN 1848-2
Thickness	mm	0,5	+/- 10%	EN 1849-2
Weight	g/m <sup>2</sup>	465	+/- 5%	EN 1849-2
Weight per roll	kg	47 (4,0x25)		EN 1848-2
Tensile strength	kN/m	MD: 7,5		EN 12311-2
		CD: 7,4		
Elongation at break	%	MD: 500		EN 12311-2
		CD: 500		
Water tightness	kPa	20		EN1928, method B
Dimensional stability	%	Max 2	-0,9 / -0,1%	EN1107-2
Sd value	m	>100		EN 1931
Water vapour permeability	kg/(m <sup>2</sup> .s)	2,0x10 <sup>-9</sup>	+/- 25%	EN 1931
Tear resistance	N	166		EN12310-1
Resistance to static loading	N	Pass at 200N		EN 12730, Method B
Temperature range	°C	-40 to 80		
Puncture resistance	N	180		FTMS-101C
Cold flexibility	°C	Pass at -20°C		MFx test
Bitumen compatibility	Pass/Fail	Pass class W1		EN 1548
Joint strength, tape	N/50mm	>60 N		EN 12317-2
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