



**Properties:**

The MONARFLEX® RAC membrane is a six layer gas and moisture barrier.

Product data	Monarflex® RAC			
Composition:				
Top layer	LDPE with stabilizers, Grey			
Reinforcement	12x12 mm Polyester multifilament 1670 dtex			
Coater layer	LDPE with stabilizers			
Aluminium	12 micron Aluminium layer			
Coater layer	LDPE with stabilizers			
Bottom side	LDPE with stabilizers, Grey			
Colour	Grey			
Application	150 mm overlapping or welding.			
Technical data	Unit	Value	Tolerance	Test method
Length	m	25	+1% -0%	EN 1848-2
Width	m	2	+/- 2%	EN 1848-2
Thickness	mm	0,8	+/- 10%	EN 1849-2
Weight	g/m <sup>2</sup>	800	+/- 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: > 800		EN 12311-1
		CD: > 800		
Elongation	%	MD: > 15		EN 12311-1
		CD: > 15		
Methane gas transmission	cm <sup>3</sup> (m <sup>2</sup> .d.bar)*	≤ 0.12		ISO 15105-1
Sd value	m	>1500m		EN 1931
Water vapour transmission	(m <sup>2</sup> .s.Pa)/kg	6,18x10 <sup>-14</sup>	4,68x10 <sup>-14</sup>	EN 1931
Nail tear resistance	N	MD: > 600		EN12310-1
		CD: > 600		
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	> 60		EN 12317-2
Joint strength welding	N/50mm	> 100		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
<b>Classification</b>	<b>Moisture Barrier Type A – EN 13967</b>			
  <p>Agrément Certificate <b>00/3668</b> Product Sheet 2</p>			<p>Monarflex sro Továrenská 1, SK 943 03 Stúrovo, Slovakia 06 1162-CPD-0254</p>	

\*a measurement in cm<sup>3</sup>/(m<sup>2</sup>.d.bar) is directly equivalent to one in ml/day/m2/atm