


**Properties:**

The MONARFLEX® RMB 400 membrane is a four layer moisture barrier with two layers of blown film laminated together with a strong reinforcing grid.

Product data	MONARFLEX® RMB 400			
Composition:				
Top layer	120 micron red LDPE layer with UV and HDPE			
Reinforcement	9x12 mm Polyester multifilament 1670 dtex			
Blown film	150 micron LDPE layer with UV and HDPE			
Bottom side	120 micron red LDPE layer with UV and HDPE			
Colour	Red			
Application	150 mm overlapping and sealed with double-sided butyl tape			
Technical data	Unit	Value	Tolerance	Test method
Length	m	25	+1% -0%	EN 1848-2
Width	m	2,00 & 4,00	+/- 2%	EN 1848-2
Thickness	mm	0,4	+/- 10%	EN 1849-2
Weight	g/m <sup>2</sup>	409	+/- 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: > 550		EN 12311-1
		CD: > 650		
Elongation	%	MD: > 12		EN 12311-1
		CD: > 12		
Radon transmittance	10 <sup>-9</sup> m/s	<20		SP internal test
Radon permeability	10 <sup>-12</sup> m <sup>2</sup> /s	<10		SP internal test
Sd value	m	176	±50	EN 1931
Water vapour transmission	kg/(m <sup>2</sup> .s.Pa)	1,15x10 <sup>-12</sup>	±2,83x10 <sup>-13</sup>	EN 1931
Nail tear resistance	N	MD: > 450		EN12310-1
		CD: > 380		
Resistance to static loading	N	Pass at 200N		EN 12730, Method B
Impact resistance	mm	150 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	Moisture Barrier Type A – EN 13967			
			Monarflex sro Továrenská 1, SK 943 03 Stúrovo, Slovakia 06 1162-CPD-0254	

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