


MONARFLEX® Reflex 275

Application:

The Monarflex 275 product is a 5 layer vapour barrier that can be used for application on both roofs, walls and under floors.

Properties:

The Monarflex Reflex 275 has an extreme high nail and tensile strength due to its strong reinforcing grid. Furthermore the product incorporates a thick aluminium metal barrier film that provides the most extreme water vapour resistance. The product is ageing resistant and further resistant to cement materials and common occurring alkaline.

Product data				
Built-up	Co-polymer LDPE with high degree of heat and UV protection			
Top side	12 x 12 mm PET (Polyester) grid			
Reinforcement	12 micron aluminium film			
Barrier layer	LDPE with high degree of heat and UV protection			
Bottom side				
Colour	Blue/Grey			
Weight	300 g/m ² - 5%/+ 10%	EN 1849-2		
Application	The material is unrolled loss with a minimum overlap of 100 mm taped joints. All penetrations/joints must be sealed with suitable tape or Icopal Butyl sealer.			
Technical data	Unit	Value	Tolerance	Test method
Length	m	25,00	+1% -0%	EN 1848-2
Width	m	2,00	+1,5% -½%	EN 1848-2
Straightness		Pass		EN 1848-2
Product Thickness	mm	0,45	±25%	EN 1849-2
Layer Thickness	mm	0,275	±5%	MFX Internal Method 20
Tensile strength	N/50 mm	MD >450		EN 12311-1
		TD >380		EN 12311-1
Elongation	%	MD >15		EN 12311-1
		TD >10		EN 12311-1
Nail tear resistance	N	MD >300		EN 12310-1
		TD >300		EN 12310-1
Dimensional stability	%	Max 2		EN 1107-2
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Temperature range	°C	- 40°C to +80°C		
Cold bend	°C	-20	±1°C	EN 1109
Impact resistance	mm	<200 (rigid support)		EN 12691, Method A
Water vapour transm.	m ² .s Pa/kg	6,62-E11		EN 1931
SD-value	m	>1500		EN 1931
Water tightness		Pass		EN 1928, Method A
Fire classification	Class	F		EN 13501-1
Shear resistance of joints	N	> 50		EN 12317-2
		> 50		EN 12317-2
Ageing after EN 1296				
Water tightness		Pass		EN 1928, Method A
Water vapour transm.		Pass		EN 1931
Classification	Vapour Barrier Type A – EN 13984			
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