


Application:

The Monarflex Reflex V-TEK product is a 5 layer vapour barrier that can be used for application on both roofs and walls.

Properties:

The Monarflex Reflex V-TEK 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 common occurring alkaline.

Product data				
Built-up	Co-polymer LDPE with high degree of heat and UV protection			
Top side	8 x 8 mm PP (Polypropylene) grid			
Reinforcement	12 micron aluminium film			
Barrier layer	Co-polymer LDPE with high degree of heat and UV protection			
Bottom side				
Colour	Blue/White			
Weight	240 g/m ² +/- 5%			
Application	The material is unrolled loss with a minimum overlap of 100 mm taped joints. All penetrations or joints must be sealed with suitable tape our 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
Product Thickness	mm	0,480	±25%	EN 1849-2
Layer Thickness	mm	0,220	±5%	EN 1849-2
Tensile strength	N/50 mm	MD >450		EN 12311-1
		TD >350		EN 12311-1
Elongation	%	MD > 10		EN 12311-1
		TD >10		EN 12311-1
Nail tear resistance	N	MD >400		EN 12310-1
		TD >380		EN 12310-1
Dimensional stability	%	MD -0,5	±1	EN 1107-2
		TD -0,5	±1	EN 1107-2
Temperature range	°C	- 40°C to +80°C		
Cold bend	°C	-20	1°C	EN 1109
Impact resistance	mm	>200		EN 12691 - A
SD-value	M	> 1500		EN 1931
Water vapour transm.	kg/m ² s	2,47-E11	1,58E-11	EN 1931
Water tightness		Pass		EN 1928 - A
Fire classification	Class	F		EN 13501-1
Shear resistance of joints	N	MD >90		EN 12317-2
		CD >85		EN 12317-2
Ageing after EN 1296				
Water tightness	Pass/fail	Pass		EN 1928 - A
Water vapour transm.	kg/m ² s	Pass		EN 1931
Classification	Vapour Barrier Type A – EN 13984			
				Monarflex s.r.o. Továrnská 1 SK-94303 Stúrovo Slovakia 06