


## MONARFLEX® Monofilament 250VB

### Application:

The Monarflex Monofilament 250 VB product is a vapour barrier that can be used for application on both roofs, walls and under floors.

### Properties:

The Monarflex Monofilament 250 VB has a very high nail and tensile strength due to its strong reinforcing grid. The product is ageing resistant and further resistant to cement materials and common occurring alkaline.

Product data				
Built-up	LDPE with high degree of heat protection (IR)			
Top side	12 x 12 mm HDPE grid			
Reinforcement	LDPE with high degree of heat protection (IR)			
Bottom side				
Colour	Transparent			
Weight	265 g/m <sup>2</sup> + 10% /- 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 or Icopal Butyl sealer.			
Technical data	Unit	Value	Tolerance	Test method
Length	m	25,00 & 50,00	+1% -0%	EN 1848-2
Width	m	2 & 4	+1,5% -½%	EN 1848-2
Thickness	mm	0,25	±25%	EN 1849-2
Tensile strength	N/50 mm	> 250		EN 12311-1
		> 300		EN 12311-1
Elongation	%	> 15		EN 12311-1
		> 15		EN 12311-1
Nail tear resistance	N	> 250		EN 12310-1
		> 210		EN 12310-1
Dimensional stability	%	Max 2		EN 1107-2
		Max 2		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
Sd value	m	120	±15 m	EN 1931
Water vapour transm.	m <sup>2</sup> .s Pa/kg	3,56E-09		EN 1931
Water tightness	Class	W1		EN 1928
Fire classification	Class	F		EN 13501-1
Ageing after EN 1296				
Tensile strength	N/50 mm	MD 300	±25	EN 12311-1
		TD 325	±25	EN 12311-1
Water tightness	Class W1	2kPa, 24h pass		EN 1928
Water vapour transm.	m <sup>2</sup> .s Pa/kg	4,35-E09		EN 1931
Classification	Vapour Barrier Type A – EN 13984			
				Monarflex s.r.o. Továrnská 1 SK-94303 Stúrovo Slovakia 06