

Monarflex Reflex 275



EN 13984

06

Type A

TECHNICAL DATA SHEET

Surface Upper	Co-polymer LDPE with heat and UV protection
Type of Reinforcement	12 mm x 12 mm PET grid
Barrier Layer	12 micron aluminium film
Surface Lower	LDPE with heat and UV protection
Colour	Blue upper / Grey lower

Characteristic	Test method	Value or statement	Units	Tolerance
Visible defects	EN 1850-2	pass	-	-
Length	EN 1848-1	25.0	m	-0 / +1 %
Width	EN 1848-1	2.0	m	-0.5 / +1.5 %
Straightness	EN 1848-1	< 75	mm/10m	-
Mass per unit area	EN 1849-2	300	g·m ⁻²	-5 / +10 %
Thickness	EN 1849-2	0.275	mm	±25%
Dimensional stability	EN 1107-2	Max 2	-	-
Temperature range	-	-40 °C to +80 °C	-	-
Tensile strength	EN 12311-1	>450 (MD); >380 (TD)	N/50 mm	-
Elongation	EN 12311-1	>15 (MD); >10 (TD)	%	-
Nail Tear Strength	EN 12310-1	>300 (MD); >300 (MD)	N	-
Water tightness	EN 1928 (A)	pass	-	-
Water vapour transmission	EN 1931	6.62 x 10 ⁻¹¹	m ² ·s·Pa·kg ⁻¹	-
Equiv. air thickness	EN 1931	S _d = >1500	m	-
Reaction to fire	EN 13501-1	Class F	-	-
Joint shear resistance	EN 12317-2	>50	N	-
Resistance to Cold Bend	EN 1109	≤ -20	°C	-
Resistance to impact	EN 12691 (A)	<200 (rigid support)	mm	-
Durability (artificial ageing)	EN 1296 / EN 1928 (A)	pass	-	-

NPD =No Performance Declared. MD = Machine Direction. TD =Transverse Direction.

Description of product

Monarflex Reflex 275 is a 5 layer vapour barrier. It has a high nail and tear strength due to the strong reinforcing grid. The product incorporates an aluminium foil for extreme levels of vapour resistance.

Type of application

Monarflex Reflex 275 is suitable for use on roofs, walls and under floors. The membrane is unrolled loose and with a overlap of minimum 150 mm and is tape sealed with Monobond butyl sealant tape. Membranes should be installed in accordance with the manufacturer's guidelines.

Compatibility

The material is compatible with all materials normally used in its application. There are no harmful side effects associated with this material.

Storage & Transportation

Rolls are delivered on pallets, covered with shrink wrapped bag. These materials should, when removed from pallets, be stored on side, under cover and on a flat, level surface, and protected from mechanical damage and heat sources. During storage exposure to direct sunlight is to be avoided.

Factory Ref: S0001-01-101

NOTE: This information is given in good faith being based on the latest knowledge known to Icopal Limited. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice.