



Monarflex®

Stripe FireSmart

TECHNICAL DATA SHEET

Upper Layer	Coated Co-polymer LDPE with flame retardant additives
Type of Reinforcement	12 mm x 10 mm 3650 dtex PP grid
Lower Layer	Blown Co-polymer LDPE with flame retardant additives
Eyelet /Structural Type	70 mm wide woven HDPE reinforcement tapes
Colour	White

Characteristic	Test method	Value or statement	Tolerance	Units
Length	EN 1848-2	40	±1 %	m
Width	EN 1848-2	2.0	-0.5 / +1.5 %	m
Film thickness	EN 1849-2	0.143	±5 %	mm
Membrane mass per unit area	EN 1849-2	208	-5 / +10 %	g·m ⁻²
Water tightness	EN 1928 (B)	Class W1	-	-
Reaction to fire	EN 13501-1	Class F	-	-
LPCB Fire Performance	LPS 1207	Approved	-	-
	LPS 1215	Approved	-	-
Tensile strength (MD)	EN 12311-2	> 630	-	N/50 mm
Tensile strength (TD)	EN 12311-2	> 630	-	N/50 mm
Tear Resistance	ASTM	≥ 240	-	N
Eyelet Pull Out	BS 7955	≥ 600	-	N
Impact Test	BS7955, Annex A	Conforms	-	-
Puncture Test	BS7955, Annex B	Conforms	-	-
Light Transmission	Monarflex Int. Test	>50	-	%

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

Roll Size	Roll Area	Reinforced Bands	Sheet Mass per Unit Area	(Gross) Roll Weight
2.0 m x 45 m	90 m ²	3	230 g·m ⁻²	21.5 kg
2.25 m x 40 m	90 m ²	3	228 g·m ⁻²	21.5 kg
3.0 m x 45 m	135 m ²	5	233 g·m ⁻²	32 kg
4.0 m x 36 m	144 m ²	6	230 g·m ⁻²	34 kg

Description of Product

Monarflex Stripe FireSmart is a three layer weather barrier consisting a reinforcing grid with films of special highly weather resistant copolymer low density polyethylene (LDPE) laminated on both sides to form a monolithic membrane. Additional reinforced bands to the edges and centre of the sheet strengthen the fixing eyelet positions.

Type of Application

Monarflex Stripe FireSmart is intended for use as a high-performance scaffold protection sheet and is suitable for all types of long-term projects up to periods of 12 months.

Fire Performance

The product has been tested and approved to LPS 1207 and LPS 1215, meeting the requirements for interior and exterior use.

Compatibility

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

Storage and Delivery

Rolls are delivered on pallets, individually wrapped with PE film. 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.

Glossary of Terms

"Membrane" comprises the film and reinforcing grid laminate.
"Sheet" comprises the membrane including eyelets/reinforcing bands.
"Gross roll weight" is scaffold sheet plus packaging and cardboard core.

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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.