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Uniclass Pr_25_71_29_76		



Monarflex® IcoScaff FRA

TECHNICAL DATA SHEET

Upper Layer	Coated Co-polymer LDPE
Type of Reinforcement	12 mm x 12 mm 1100 dtex PET grid
Lower Layer	Blown Co-polymer LDPE
Eyelet /Structural Type	50 mm wide woven HDPE reinforcement tapes
Colour	Clear

Characteristic	Test method	Value or statement	Tolerance	Units
Length	EN 1849-2	40, 45	-0.0 / +1 %	m
Width	EN 1848-2	2.0; 2.25; 3.0	-0.5 / +1.5 %	m
Film thickness	EN 1849-2	0.105	±5 %	mm
Membrane mass per unit area	EN 1849-2	123	-5 / +10 %	g·m ⁻²
Water tightness	EN 1928 (B)	Class W1	-	-
Reaction to fire	EN 13501-1	Class F	-	-
Tensile strength (MD)	EN 12311-2	>325	-	N/50mm
Tensile strength (TD)	EN 12311-2	>325	-	N/50mm
Eyelet Pull Out	BS 7955	≥ 300	-	N
Light Transmission	Monarflex Int. Test	>70	±10	%

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

Roll Size	Roll Area	Reinforced Bands	Sheet Mass per Unit Area	Handling Weight
2.0 m x 45 m	90 m ²	3	139 g·m ⁻²	12.8 kg
2.25 m x 40 m	90 m ²	3	137 g·m ⁻²	14.2 kg
3.0 m x 45 m	135 m ²	5	137 g·m ⁻²	18.8 kg

*NOTE: To comply with BS 7955 min. tensile strength to be 630 N/50mm, and min. eyelet strength 500N.

Please note that although this material contains a Flame Retardant Additive (FRA), it is not approved to LPS standards. Some projects may require certified sheeting in accordance with LPS 1215 and 1207, therefore please refer to other suitable products within our range or speak to Icopal's technical department for further advice.

Description of Product

Monarflex IcoScaff FRA is a three-layer weather barrier consisting a polyester 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 IcoScaff FRA is intended for use as an economical scaffold protection sheet and is suitable for normal weather conditions, ie not exposed to high winds or used in coastal locations, on low rise short-term projects with durations of less than 3 months.

Performance

The product contains a Flame Retardant Additive (FRA) but is not LPS certified.

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.

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.