

Monarflex®

TRC FlameSafe

TECHNICAL DATA SHEET

Upper Layer	Coated co-polymer LDPE with flame retardant additives
Type of Reinforcement	9 mm x 12 mm 2200/1670 dtex PET grid
Lower Layer	Blown Co-polymer LDPE with flame retardant additives
Eyelet /Structural Type	Woven HDPE reinforcement tapes; 125 mm on edge bands, 75 mm to centre bands
Colour	White

Characteristic	Test method	Value or statement	Tolerance	Units
Length	EN 1849-2	50	-0.0 / +1 %	m
Width	EN 1848-2	3.35	-0.5 / +1.5 %	m
Membrane mass per unit area	EN 1849-2	285	-5 / +10 %	g·m ⁻²
Film thickness	EN 1849-2	0.25	±5 %	mm
Water tightness	EN 1928 (B)	Class W1	-	-
Reaction to fire	EN 13501-1	Class F	-	-
LPCB Fire Performance	LPS 1215	Approved	-	-
Tensile strength (MD)	EN 12311-2	>630	-	N/50mm
Tensile strength (TD)	EN 12311-2	>630	-	N/50mm
Elongation (MD)	EN 12311-2	>15	-	%
Elongation (TD)	EN 12311-2	>15	-	%
Flexibility at low temperature	EN 1109	≤ -20	-	°C
Tear Resistance	ASTM	≥200	-	N
Eyelet Pull Out	BS 7955	>500	-	N
Light Transmission	Monarflex Int. Test	>60	-	%

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

Roll Size	Roll Area	Reinforced Bands	Sheet Mass per Unit Area	Handling Weight
3.35.0 m x 50 m	167.5 m ²	5	317 g·m ⁻²	65.5 kg

Description of Product

Monarflex TRC FlameSafe 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. Five additional reinforced bands, without eyelets, to the edges and centre of the sheet strengthen the fixing positions.

Type of application

Monarflex TRC FlameSafe is intended for use as a high-performance temporary roof cover protection sheet and is suitable for works with a duration of up to 12 months.

Fire Performance

The product has been tested and approved to LPS 1215, meeting the requirements for 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 & Transportation

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.

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.