



Monarflex[®] Airflow FRA

TECHNICAL DATA SHEET

Material	Polypropylene (PP) with UV resistant and flame-retardant additives
Type	Woven
Fixing Bands	Three tight woven bands
Colour	White

Characteristic	Test Method	Value or statement	Tolerance	Units
Length	EN 1848-2	45	±1 %	m
Width	EN 1848-2	2.0	-0.1 / +0.2	m
Mass per unit area	Test 027	166	±7 %	g·m ⁻²
Typical Construction	Test 026	70 (Warp) 43 (Weft)	-	ends/100 mm
Linear Mass Density (Warp)	Test 026	110	-	Tex
Linear Mass Density (Weft)	Test 026	220	-	Tex
Tensile strength (Warp)	Test 031	≥900 (normal) ≥2300 (reinforced band)	-	N/50 mm
Tensile strength (Weft)	Test 031	≥1400	-	N/50 mm
Elongation (Warp)	Test 031	10 - 30	-	%
Elongation (Weft)	Test 031	5 - 20	-	%
Reaction to fire	EN 13501-1	Class F	-	-
Air Permeability (Dense)	BS EN ISO 9237	372	-	mm·s ⁻²
Air Permeability (Open)	BS EN ISO 9237	488	-	mm·s ⁻²
Light Transmission (Dense)	-	1.1	-	%
Light Transmission (Open)	-	13.7	-	%

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 Airflow FRA is a durable woven polypropylene (PP) with both closed and open weave sections, with additional reinforced bands to the edges and centre of the sheet.

Type of application

Monarflex Airflow FRA is intended for use as a scaffold protection containment sheet where the open weave allows pressures from wind and heat to be diffused while protecting workers from the elements.

Performance

The product contains a Flame Retardant Additive (FRA) but is not LPS certified. It is tested in accordance with BS 476 part 12, and is suitable for exterior use on short-term projects on low and high-rise buildings, and where high winds are a significant risk.

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.