

Sureplan FPO



EN 13956

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1349-CPD-066

TECHNICAL DATA SHEET

Surface Upper	RAL7001 (light grey) / RAL 7015 (anthracite)
Surface Lower	Anthracite
Material	Flexible Polyolefin (FPO)
Type of Reinforcement	Glass Fleece/Glass Fibre

Characteristic	Test method	Value or statement	Units	Tolerance
Effective thickness	EN 1849-2	1.5	mm	-5/+10 %
Mass per unit area	EN 1849-2	1.720	kg·m ⁻²	-5/+10 %
Length	EN 1848-2	15	m	-0/+5%
Width	EN 1848-2	1.50	m	-0/+5%
Straightness	EN 1848-2	≤ 30	mm	-
Flatness	EN 1848-2	≤ 10	mm	-
Visible defects	EN 1850-2	pass	-	-
Dimensional Stability	EN 1107-1	≤ 0.3	%	-
Tensile strength	EN 12311-2 (A)	≥ 1100 (MD) \ 1000 (TD)	N/50 mm	-
Elongation	EN 12311-2 (A)	≥ 2	%	-
Tear Strength	EN 12310-2	≥ 125	N	-
Water tightness	EN 1928 (B)	pass	-	-
Water vapour diffusion value	EN 1931	μ = 100'000	-	-
External fire performance*	EN 1187 & EN 13501-5	B _{ROOF} (t1)	-	-
Reaction to fire	EN 13501-1	Class E	-	-
Joint peel resistance	EN 12316-2	≥ 185	N/50 mm	-
Joint shear resistance	EN 12317-2	≥ 800	N/50 mm	-
Resistance to Cold Bend	EN 495-5	≤ -40	°C	-
Resistance to impact	EN 12691 (A / B)	≥ 300	mm	-
UV Exposure	EN 1297	Pass	-	-
Hail resistance	EN12583	≥ 17	m·s ⁻¹	-

* Sureplan FPO has been tested to BS 476-3 and achieved EXT.F.AC (national class) rating.

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.

Description of product

Sureplan FPO is a single-ply roofing membrane made of flexible polyolefin (FPO) with a composite glass fleece / glass fibre reinforcement.

Type of application

Sureplan FPO membranes are intended for use as an exposed membrane in mechanically fastened or ballasted systems. It may also be used as the detailing sheet in conjunction with Sureplan FPO Fleeceback membranes. Membranes should be installed in accordance with manufacturer's guidelines.

Compatibility

Sureplan FPO membranes are compatible with bitumen and oil-based products, such as EPS/XPS insulation.

Storage & Transportation

Sureplan FPO rolls are delivered on pallets, covered with PE foil. Sureplan FPO rolls must be stored horizontal on a flat and dry surface, at a temperature between 0 °C and +40 °C. During storage exposure to direct sunlight is to be avoided.

Other Colours

Cream White, Brilliant White, Red, Blue, Green and Turquoise available to special order.