

ARMOURPLAN SG

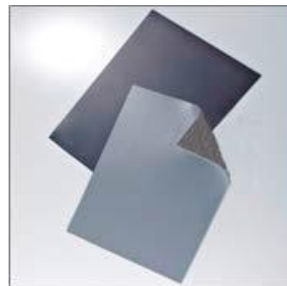
PRODUCT INFORMATION

A glass tissue reinforced polyester fleece-backed PVC single ply roofing membrane.
Used in a wide range of roofing applications on both flat and sloping roofs.
Suitable for both new build and refurbishment installations, including specialist applications such as simulated metal roofs.
Can be adhered onto most common substrates using Spectrabond Low Foaming PU adhesive or IKOpro Sprayfast FMA adhesive.
Forms a sleek finish.

Description	Fleece-Backed Membrane
Thickness	1.2mm
Width	2.12m
Length	20m
Colour	Mid Grey (nearest RAL 7046) Slate Grey (nearest RAL 7015)
Material	PVC-P
Reinforcement	Glass tissue
Fleece Backing	120gsm non-woven polyester
Product Code	84021212 – Mid Grey 1.2mm 46121212 – Slate Grey 1.2mm

FEATURES & BENEFITS

- BBA Certified 05/4287
- Good UV resistance and durability
- Good mechanical properties and product performance
- Efficient and safe installation
- Secure seam welding quality
- Aesthetically pleasing finish
- Complete range of fixings and accessories available



SPECIFICATION

To complete the installation of Armourplan SG, the system includes a wide range of accessories, including detailing and walkway membrane cover strips, preformed corners and outlets, standing seam profile pre-coated metal sheet for forming edge details, IKOfix fastening systems and termination bars, insulation and vapour control layers, adhesives, cleaners, sealants and roof lights.

INDEPENDENT ACCREDITATION

- BBA Agrément Certificate No. 05/4287
- CE Marked
- Euro Agrément Procedure
- UBAtc ATG (No. 12/2877)
- SGS / CTG (No. 629)
- Manufactured in accordance with BS EN ISO 14001, ISO 9001 & BES6001



DESIGN CONSIDERATIONS

CONFIGURATION

Before use thoroughly stir the Spectrabond Low Foaming PU Adhesive. Replace the container lid when work is interrupted. If required warm the Spectrabond PU Adhesive container in warm water.

Unroll the Armourplan SG over the prepared substrate and fold back approximately half its length.

Apply a coat of Spectra bond Low Foaming PU adhesive using a roller or apply Spray fast FMA adhesive to the substrate surface, priming only the area of roof where the membrane will be laid. *Note: The PU adhesive must be given time to activate prior to applying the membrane.*

On activation i.e. the point at which the adhesive will afford the highest bond strength, the surface of the adhesive starts to change from pink/red to opaque.

Carefully roll the Armourplan SG into the primed surface.

Fold back other half of the roll of Armourplan SG and repeat the procedure.

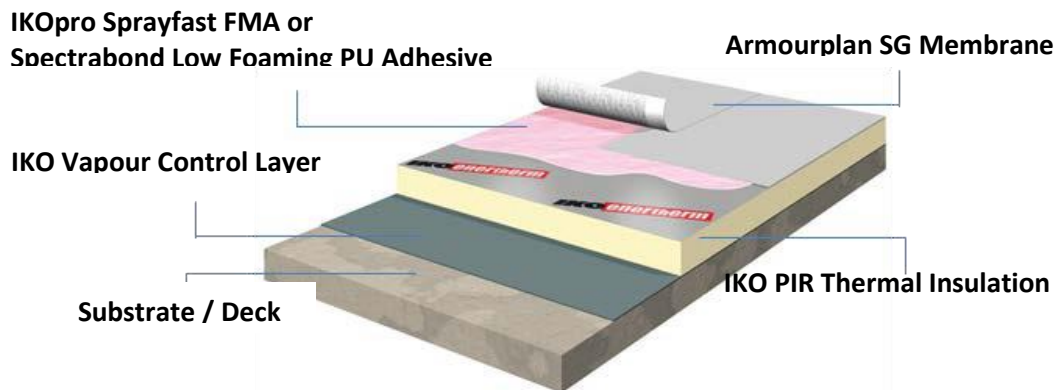
Roll with water filled roller or soft bristled broom to ensure intimate contact between the two surfaces.

Unroll the next roll of Armourplan SG, ensuring the end laps are staggered and the side overlaps the previously installed sheet by 60mm.

Repeat the adhering process.

Fully hot air welds the 60mm side lap and allow to cool completely.

Mechanically check the integrity of the cooled weld by running a seam probe or 4mm wide screwdriver (with rounded edges) along the seam applying pressure into the seam.



TYPICAL PROPERTIES

Characteristic properties	Unit	Method	SG120	SG150
Thickness +10%/- 5%	mm	EN 1849-2	1.20	1.50
Length +1%/- 0.5%	m	EN 1848-2	20.00	
Width +1%/- 0.5%	m	EN 1848-2	2.12	
Weight +10%/- 5%	g/m ²	EN 1849-2	1650	2100
Tensile strength (MD/TD)	N/50mm	EN 12311-2	≥ 650	
Elongation at break	%	EN 12311-2	≥ 80	
Tear resistance	N	EN 12310-2	≥ 150	
Peel strength of joints	N/50mm	EN 12316-2	≥ 200	
Shear strength of joints	N	EN 12317-2	≥650	
Hail resistance	m/s	EN 13583	≥ 30	
Nail Tear	N	EN 12310-1	≥ 150	
Impact Resistance	mm	EN 12691	≥1100 Soft ≥ 450 Hard	
Static Load	Kg	EN 12730	≥ 20	
Dimensional stability 6 hrs at 80°C	%	EN 1107-2	≤ 0.5	
Flexibility at low temperatures	°C	EN 495-5	≤ -30	
External exposure to fire		BS EN 476-3	Ext F.AB	
		EN 13501	T1 – NPD T2 – NPD T3 – NPD T4 – Pass	
Water tightness		EN 1928 method B	Pass	
Root Resistance			NPD	
Minimum Overlap	mm		60	
Minimum welding width (Automatic)	mm		>30	
Minimum welding width (Hand Welder)	mm		>60	
Welding temperature	°C		385 - 450	
Recommended welding speed (Automatic Welder)	m/min		1.8	
EC Declaration of conformity with standard			CE Marked	

FURTHER PRODUCT INFORMATION

Full product literature, health & safety and technical sheets are available as downloads from our website www.ikopolymeric.com or on request by email polymeric.marketing@iko.com.