

## ARMOURPLAN GB

### **PRODUCT INFORMATION**

A glass tissue reinforced, polyester fleece-backed, robust PVC roofing membrane suitable for green and ballasted roofs

Fleece layer provides a built-in separation layer

Compatible with bitumen and polystyrene

Easier to carry & transport (1.06m wide rolls)

Easier to install on busy roofs where there are upstands such as

rooflights

Perfect for fast installation of small scale projects

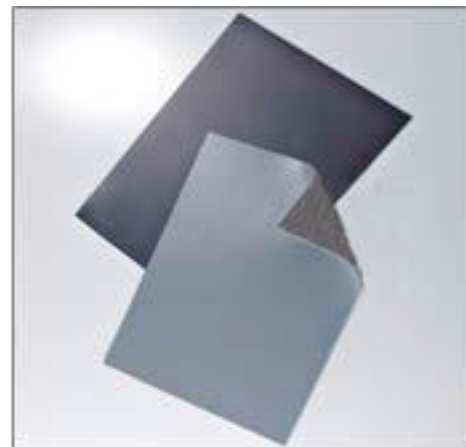
Smaller rolls help to reduce waste

Can be adhered onto most common substrates using Spectrabond Low Foaming PU adhesive, IKOpro Sprayfast FMA adhesive or IKOpro PUMA Zero Adhesive.

### **FEATURES & BENEFITS**

- 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

Description	Membrane for green & ballasted roof applications
<b>Thickness</b>	1.5mm
<b>Width</b>	1.06m
<b>Length</b>	20m
<b>Colour</b>	Mid Grey (nearest RAL 7046)
<b>Material</b>	PVC-P
<b>Reinforcement</b>	Glass tissue
<b>Fleece Backing</b>	120gsm non-woven polyester
<b>Product Code</b>	74010615 – Mid Grey



### **INDEPENDENT ACCREDITATION**

- CE Marked
- SGS / CTG (No. 629)
- Manufactured in accordance with BS EN ISO 14001, ISO 9001 & BES6001.

### **SPECIFICATION**

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

# **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 Spectrabond Low Foaming PU adhesive using a roller or apply Sprayfast 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.

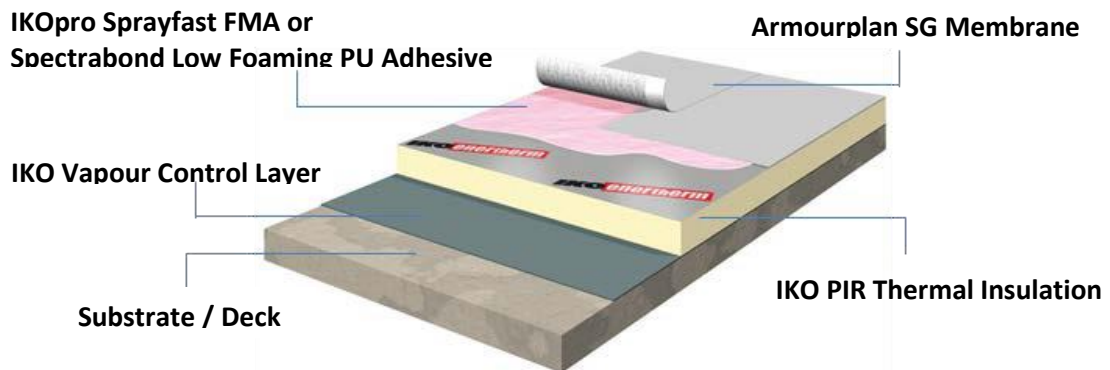
Roll with water filled roller or soft bristled broom to ensure intimate contact between the two surfaces.

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 allows 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**

<b>Characteristic properties</b>	<b>Unit</b>	<b>Method</b>	<b>GB</b>
Thickness +10%/- 5%	mm	EN 1849-2	1.50
Length +1%/- 0.5%	m	EN 1848-2	20.00
Width +1%/- 0.5%	m	EN 1848-2	1.06
Weight +10%/- 5%	g/m <sup>2</sup>	EN 1849-2	2000
Tensile strength (MD/TD)	N/50 mm	EN 12311-2	≥ 800
Elongation at break	%	EN 12311-2	≥ 40
Tear resistance	N	EN 12310-2	≥ 150
Peel strength of joints	N/50 mm	EN 12316-2	≥ 200
Shear strength of joints	N	EN 12317-2	≥500
Hail resistance	m/s	EN 13583	≥ 30
Nail Tear	N	EN 12310-1	≥ 150
Impact Resistance	mm	EN 12691	≥1500 Soft ≥ 1000 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
Water tightness		EN 1928 method B	Pass
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](http://www.ikopolymeric.com) or on request by email [polymeric.marketing@iko.com](mailto:polymeric.marketing@iko.com).