

IKO Shield PLUS ALU/SA 25 m

Technical Data Sheet – Section 7.00

PRODUCT INFORMATION

Self-adhesive carrier membrane composed of elastomer (SBS) bitumen and a glass-fibre-thread combination inlay. The upper is finished with ALU foil and a self-adhesive lower surface.

Product Code: 01570156

USE

Self-adhesive carrier membrane for liquid applied waterproofing system. Substrates to be primed using the IKOpro Bonding Agent or IKOpro Sprayfast MPP.

COMPOSITION

Type of bitumen	Elastomeric
Upper surface finish	ALU
Inlay	Glass fibre threads
Lower surface finish	Self-adhesive bitumen with anti-stick film

SIZING AND PALLETIZATION

Nominal thickness (mm)	0,6
Thickness tolerance (mm)	+/- 0,05
Length (m)	25
Width (m)	1,08
Width of overlap (cm)	-
Weight per roll(kg)	+/- 19
Number of rolls / pallet	30
Type of pallet	Euro-pallet

Always use a suitable pallet hoisting hook for vertical transport.

TECHNICAL CHARACTERISTICS

Tensile strength L (EN 12311-1 MDV N/50 mm +/- 20%)	800
Tensile strength T (EN 12311-1 MDV N/50 mm +/- 20%)	700
Elongation L (EN 12311-1 MDV % +/- 15% abs.)	NPD
Elongation B (EN 12311-1 MDV % +/- 15% abs.)	NPD
Nail tear resistance (EN 12310-1 MDV N Only MF)	≥ 200
Flexibility at low temperature (EN 1109 MLV °C Surface/Bottom)	≤-20
Flow temperature (EN 1110)	NPD
Shear resistance (EN 12317-1 MDV N/50 mm)	NPD
Dimensional stability (EN 1107-1 MLV)	NPD
Fire resistance	NPD
Vapour diffusion resistance (µd)	≥ 1500 m
Root resistant (EN 13948)	-



INSTALLATION

- Installation temperature (based on self-adhesive placement only) $\geq 5^{\circ}\text{C}$.
- At temperatures $\leq 10^{\circ}\text{C}$. The rolls should be stored in a room $\geq 10^{\circ}\text{C}$ before installation.
- No gas torches are to be used during the installation of this product.
- Ensure the substrate is free of dust, debris or moisture that will impair the bond.
- Once the specified self-adhesive primer is completely dry, the membrane is to be applied as soon as possible, cold applied and bonded over whole surface, with no air pockets
- Install with 75mm side and 100mm end laps by removing the release film and progressively advancing the roll whilst applying an even downward pressure using a weighted roll bar to bond the underlay to the substrate, ensuring no air is trapped.
- Laps: At temperatures below 10°C , all side and end laps are to be gently heated from above using a hot air gun, or similar, to facilitate a bond (care must be undertaken not to overheat the membrane). At temperatures above 10°C the membrane may create a bond, but not an effective overnight watertight seal. So, works should be planned to effectively make all laps watertight at the end of each working day, by either the application of the waterproofing, or by the lap being taped with IKO Bridging tape.
- The installing contractor must ensure a watertight seal is achieved at the end of each working day.
- No back laps are to be formed against falls
- In insulated build-ups, the underlay should link with the vapour control layer at detail works.
- Setting out: Neat, with carefully formed junctions.
- Priming of upper surface ready to receive IKO Flexia Liquids:
 - For PMMA and EC/UV installations, the upper surface of the membrane does not require priming.
 - For IKO hybritech installations, the upper surface of the membrane will require priming with IKO tech Non Porous primer.

CERTIFICATES:

- Production ISO 9001 & 14001

IKO hereby certifies that this construction product complies with the provisions of the following European Directive(s) if installed in accordance with the system directions and installation rules set out in the documentation

- Council Directive 89/106/EEC on Construction Products
- EN 13707

FPC certificate obtained from SGS Notified Body, registered under registration number 0958.

Certificate number: 0958-CPR-2009/1.



OTHER RELEVANT DOCUMENTATION

Where applicable, Material Safety Data Sheets (MSDS), Declaration of Performances (DoPs), and Third-Party Accreditations are available to view and download from the IKO website Resource Centre:

<https://ikogroup.co.uk/resource-centre/>

PRODUCT SUPPORT

Should you have any queries in relation to this product please contact one of the relevant teams below:

Technical technical.ab@iko.com

- For Reinforced Bitumen Membranes, IKOpro and Flexia Liquid Applied Waterproofing, Pitched Roofing, IKO Hyload Structural Waterproofing

technical.ma@iko.com

- For Mastic Asphalt

technical.cc@iko.com

- For Single Ply and Permasec Hot Melt

Sales sales.uk@iko.com

Marketing getintouch.uk@iko.com

COMPANY ACCREDITATIONS

IKO PLC, a roofing, waterproofing, and insulation company, holds various accreditations that demonstrate its commitment to quality, safety, and environmental responsibility. These include ISO certifications for quality management and occupational health and safety, British Board of Agrément (BBA) accreditations for specific products and systems, and Factory Mutual (FM) approval for certain roofing systems.

All our manufacturing plants have BS EN ISO 9001, BS EN ISO 14001, BS EN ISO 45001, and BES 6001 accreditation, meaning we match the quality and sustainability requirements and use responsibly sourced raw materials in our production. We also re-use by-products from manufacture, wrap products in minimal packaging, and we employ a streamlined transportation network.



IKO is also a leading member of all relevant trade associations such as NFRC, BFRA, SPRA, LRWA, MAC, RSTA, BJA and LCRIG having technical experts within the technical and standards committees to help us get informed first-hand about recent updates on technical requirements for the design and installation of roofing, waterproofing, road and bridge maintenance industry products.



DISCLAIMER

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IKO reserves the right to amend and/or withdraw this document without notice.

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