IKO Spectraplan SG TPE Membrane

Technical Data Sheet – Section 15.00

PRODUCT INFORMATION

IKO Spectraplan SG is a glass tissue-reinforced, polyester fleece-backed, TPE single ply roofing membrane for IKO Spectraplan adhered roofing systems on both flat and pitched roofs.



As the only TPE roofing membrane manufactured in the UK, IKO Spectraplan achieves 91 on the Solar Reflectance Index (SRI), effectively reflecting sunlight and reducing heat retention.

USE

IKO Spectraplan SG is a waterproofing membrane suitable for both new build and refurbishment installations.

The IKO Spectraplan SG system is applied using bonding adhesive, IKO Spectrabond Low Foaming PU adhesive or IKOpro Sprayfast FMA adhesive, to a structural, compatible substrate in both warm and uninsulated roof build ups.

The product must be applied by an IKO Registered/Approved Installer. All work must be undertaken in accordance with the requirements of the specific information provided with the issued IKO Specification document, or guidance documents where applicable.

As this product is utilised within an Approved Contractor network and guided by an IKO Specification document, where omission or differing information exists the IKO Specification document will take precedence.

OPTIONS

Product	Roll Size	Product Code	Colour
Spectraplan SG	2.12m x 20m x 1.2mm	54621212	White

COMPOSITION

Material:	TPE
Reinforcement:	Glass Tissue
Form:	Roll
Weight (kg/roll):	71.75kg
Colour:	White (nearest RAL 9016)

INSTALLATION

As a first step, agitate/shake the IKO Spectrabond low foaming PU adhesive drum. Replace the container lid when work is interrupted or completed. Ensure material is stored in temperatures of 5 degrees or above. Unroll the IKO Spectraplan SG over the prepared substrate and fold back approximately half its length.

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Using a sheepskin or similar roller apply a coat of IKO Spectrabond low foaming PU to the substrate surface, or apply IKOpro sprayfast FMA adhesive, applying only the area of roof where the membrane will be laid. The 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 to opaque.

Carefully unravel the IKO Spectraplan SG onto the primed surface and roll with water filled roller or soft bristled broom. Fold back the other half of the roll of IKO Spectraplan SG and repeat the process. Unroll the next roll of IKO Spectraplan SG, ensuring that the roll ends are butt jointed and that the side overlaps the previously installed sheet by 120mm.

Fully hot air weld the side lap and allow to cool completely. Install a 200mm wide cover strip of IKO Spectraplan SM over the butt jointed end laps and hot air weld and allow to cool completely. Check the integrity of the cooled weld by running a seam probe tool along the seam, applying pressure into the seam.

At upstands and at all roof penetrations, secure the IKO Spectraplan SG membrane with a IKOfix Peelstop bar. Cover 10mm gap in the IKOfix Peelstop bar with a 50mm x 50mm piece of IKO Spectraplan SM and weld to the roof sheet. Apply waterproofing to the IKOfix Peelstop bar with the upstand flashing hot air welded to the roof sheet.

NB: This is a guide only – please refer to Spectraplan Installation Guide for Contractor notes.

PRODUCT ACCREDITATIONS

The product carries a BBA Agrément Certificate 05/4203, Copies of the relevant certification may be downloaded from the IKO website https://ikogroup.co.uk/resource-centre/

MAINTENANCE & REPAIR

Maintenance must be undertaken in accordance with the terms of the guarantee. The waterproofing must be protected from any follow-on trades or other works that may affect the waterproofing. Once completed, access will be required for future inspections and maintenance. Maintenance of drainage outlets, plant items and services etc. will be required to ensure the long-term performance of the waterproofing system.
The client is to ensure safe access is provided to allow maintenance. Unauthorised access should be prevented from all parties not associated with the installation of the waterproofing, inspection or maintenance. Designated walkways should be provided for maintenance and means of escape.

OTHER RELEVENT 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/

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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 Permatec 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, BES 6001, and PAS 2080 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

Whilst every precaution is taken to ensure that the information given in this literature is correct and up-to-date it is not intended to form part of any contract or give rise to any collateral liability, which is hereby specifically excluded.

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

Intending purchasers of our materials should therefore verify with the company whether any changes in our specification, application details, withdrawals or otherwise have taken place since this literature was published.

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