IKOpro PU Bitumen Membrane Adhesive

Technical Data Sheet – Section 10.10

PRODUCT INFORMATION

IKOpro PU Bitumen Membrane Adhesive is a single component, low-foaming polyurethane adhesive, specifically developed to securely bond roofing membranes to a wide range of roofing substrates.

Pack Size	Product Code
6kg (6L)	58810001

USE

IKOpro PU Bitumen Membrane Adhesive is used for bonding bitumen membranes to various roof substrates.

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.

APPEARANCE & PERFORMANCE

Composition:	Polyurethane
Appearance:	Liquid
Colour:	Red
Size:	6L
Weight:	6kg
Use:	Membrane adhesive
Coverage**:	25-30m^2 per 6L tin
Application Temperature:	5-30°C
Open Time:	5-15 minutes at 20°C
Cure Time (typically):	60 minutes at 20°C

**20mm bead width at 200mm-250mm centres; coverage will be less on perimeter edges

CONSTRUCTION

MATERIAL HANDLING

Please refer to relevant sections of the IKO Material Safety Data Sheet.

PRIOR TO COMMENCEMENT

Application must always follow good, safe working practice.

Prior to commencing works, it is important that operatives read the IKO Safety Data Sheet. Additionally, it is important to be aware of all the information given by your employers Risk Assessments and understand all Method Statements produced for undertaking the work.

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PREPARATION

Before commencement of the waterproofing works, the roofing contractor should ensure that the surfaces to receive the new waterproofing system are sound and capable of accepting the imposed loading of the new waterproofing system and its installation.

Existing substrates should be assessed by a competent roofer or suitably qualified professional to ascertain their suitability in relation to structural strength, falls and drainage provision.

The surface to which the IKOpro PU Bitumen Membrane Adhesive is to be installed must be clean, dry and fit for purpose.

APPLICATION

Prior to commencing application, ensure the substrate is dry. Applying the adhesive onto wet surfaces reduces the bond strength.

Figure 1 - Application Pattern

Using a snaking pattern, as illustrated within Figure 1, apply IKOpro PU Bitumen Membrane Adhesive at the prescribed rates below.

Do not over apply or allow the adhesive to create puddles.

Main Roof Area:
4 x 20mm beads per m^2 to main roof.
All perimeter and exposed edges:
8 x 20mm beads per m^2 to perimeter edges.

Apply the bitumen membrane after application of the IKOpro PU Bitumen Membrane Adhesive and before the adhesive skins over, typically between 10-20 mins. Roll the membrane with a water filled roller after 10 mins to ensure a bond is achieved. Do not apply any adhesive to the side or end overlaps.

Approximately 20 minutes after installing, check that membrane has not lifted due to the foaming action of the adhesive.

POST COMPLETION

Information regarding disposal of empty containers or containers with residual liquid can be found within the relevant sections of the IKO Material Safety Data Sheet.

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USE OF PRODUCTS CONTAINING ISOCYANURATES (PU based products)

As of 24 August 2023, training is required for professional and industrial users of polyurethane adhesives, sealant and waterproofing products within the EU and UK.

Training

Training and certification for product users, which involves passing an examination. A record of the training given to employees must be maintained by employers. Every five years, renewal of the training will be necessary.

A PU Training Platform has therefore been launched for product users within the EU and UK and can be reached via: www.safeusediisocyanates.eu

The Restriction requires employers or the self-employed to ensure that industrial or professional users have successfully completed training on the safe use of diisocyanates prior to the use of the substance or mixture.

The legal duty remains on employers to ensure that all users have successfully completed the required training before using the substance.

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/

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

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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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