

# IKOpro PUMA Zero Adhesive

## Technical Data Sheet – Section 10.00

### PRODUCT INFORMATION

IKOpro PUMA Zero Adhesive is a two-part, low-rise polyurethane adhesive that contains no solvents and cures in minutes.

IKOpro PUMA Zero Adhesive is dispensed through a battery powered applicator assuring on-ratio mixing of the two-part adhesive and provides a quality, consistent application every time.



Material	2-part Polyurethane adhesive
Box size	4No x 1.5Kg cartridge
Colour	Off white
Product code	58800005

### USE

IKOpro PUMA Zero Adhesive can be used for bonding insulation boards and is to be used where bonding foil faced insulation boards to each other within a warm flat roof construction.

Bonding application is quick and easy with IKOpro PUMA Zero Adhesive, resulting in labour savings for the roofing contractor.

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

### APPEARANCE & PERFORMANCE

Appearance:	Foaming adhesive
Colour:	off white
Size:	1.5Kg cartridge
Use:	insulation bonding adhesive
Typical Application Rates**:	approx. 15m <sup>2</sup> /cartridge (60m <sup>2</sup> /box (4)
Coverage rates:	

- Min 4No x 15mm wide continuous beads per 1200 x 1200mm board at max 300mm centres to main roof.
- Min 8No x 15mm wide continuous beads per 1200 x 1200mm board at 150mm centres to perimeter edges, corners and openings.

Applicator tool: applicator gun sold separately

Drying Time (at 20°C): 30 minutes

\*\* Dependent on porosity of substrate

## **CONSTRUCTION**

### **MATERIAL HANDLING**

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

### **PRIOR TO COMMENCEMENT**

Prior to commencing works, it is important that operatives read the IKO Material 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.

Ensure the substrate is clean and dry. Eliminate uneven surfaces to ensure positive contact between the substrate, adhesive, and insulation board or membrane. Prior to use the adhesive cartridges should be conditioned to achieve a temperature of 18°C, this can be achieved by storing the adhesive cartridges overnight in a heated room.

### **PREPARATION**

With a utility knife, remove the moulded tips at the groove from the mixing head, or snap off the tips for snap-off cartridges.

Attach a mixing nozzle to the threaded mixing head.

CAUTION: if adhesive cross-mixes it may foam in the mixing tip and block proper dispense of the product.

Take care to prevent adhesive from mixing before use by keeping the cartridge upright.

Place cartridge into the appropriate applicator. Note that IKOpro PUMA Zero Adhesive is a low viscosity formula and it will flow into the mixing tip with gravity. It is important to load the cartridge into the applicator immediately before dispensing the adhesive and no earlier.

### **APPLICATION**

Apply IKOpro PUMA Zero Adhesive directly to the substrate, using 15mm-20mm beads as per the project specific wind load calculation pattern to achieve proper coverage rates for required uplift performance. Allow adhesive to begin to foam (normally 1-2 minutes) and roll fleece backed membrane into wet adhesive or place insulation boards. Roll exposed surface of waterproofing membrane with a weighted roller to ensure positive contact between the membrane, the adhesive, and the substrate. This also increases the adhesive footprint (bead width) and minimizes ghosting of the adhesive ribbon pattern through the membrane.

IKOpro PUMA Zero Adhesive is designed to give the contractor about 6 minutes of open time on a normal summer day so the membrane must be positioned and rolled quickly. The adhesive open time will be shorter on very hot, humid days and longer on cold, dry days.

Unused material can be applied at a later date by simply removing and discarding the static mixing tip, cleaning the cartridge head with a rag, and plugging the cartridge with the half-moon plugs or sealing cap(s) provided. A new static mixing tip must be used whenever the adhesive has been allowed to foam and cure in the mixing tip.

CAUTION: forcing adhesive through a cured mixing tip may cause plunger blow-by or cartridge failure or may result in broken application equipment.

## STORAGE

IKOpro PUMA Zero Adhesive should be stored in dry conditions out of direct sunlight at a temperature between 5°C and 25°C.

Shelf life is 12 months in an unopened container when stored at the above temperature.

## 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:

<b>Technical</b>	<a href="mailto:technical.ab@iko.com">technical.ab@iko.com</a> <ul style="list-style-type: none"><li>- For Reinforced Bitumen Membranes, IKOpro and Flexia Liquid Applied Waterproofing, Pitched Roofing, IKO Hyload Structural Waterproofing</li></ul> <a href="mailto:technical.ma@iko.com">technical.ma@iko.com</a> <ul style="list-style-type: none"><li>- For Mastic Asphalt</li></ul> <a href="mailto:technical.cc@iko.com">technical.cc@iko.com</a> <ul style="list-style-type: none"><li>- For Single Ply and Permasec Hot Melt</li></ul>
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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.

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