

IKO PU Adhesives.

A bond so powerful, it's like having one of
these hold your roof down.



from the global leader in roofing and waterproofing.

The IKO PU Adhesives Range - Setting new standards in bonding performance

Though always hidden, the adhesives used to bond waterproofing or insulation to a substrate are critical to the performance of a roof. IKO's new and expanded range of polyurethane-based adhesives has been specifically developed to offer professional roofing contractors the ultimate bonding solution for insulation and membranes. By combining ease of application with long term durability, they deliver an unrivalled "fit and forget", guaranteed performance and the benefit of colour-coded products for ease of identification on site.

Independently tested and approved by the BRE

No other manufacturer has ever submitted its roofing adhesives to the Building Research Establishment (BRE) for testing. In Spring 2012 IKO delivered three test samples to BRE in Garston, UK.

Each roof section sample was mounted in a pressure chamber and subjected to over 1,400 suction loading cycles up to a maximum of -5,500Pa. This figure represents the most extreme wind loading expected during a roof's lifetime and provides a realistic test of wind load performance. For comparison, a typical city wind loading is -1,000Pa, while an exposed coastal loading is -2,000Pa.

Each IKO sample reached at least -5,000Pa before the first signs of failure, giving a roof "safety factor" of 2.5 for coastal areas and 5 for cities.

When it's the safety and security of your building at stake,
why would you risk an untested alternative?

And with NEW IKOpro Fastick Adhesive you get even more.



EVEN FASTER
BONDING
TIMES



PRECISE
APPLICATION
WITH 2 PART
SYSTEM



CARTRIDGE
SYSTEM WITH
LESS ON SITE
WASTE

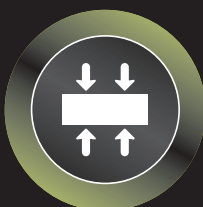


SOLVENT FREE,
KIND TO THE
ENVIRONMENT

High performance roofing adhesives...



IKO PU Adhesives give you all this...



BRE-APPROVED
BONDING
STRENGTH



NON
FLAMMABLE,
CONTRACTOR
SAFE SYSTEM



FAST
CURING
RATES



PRODUCTS
COLOURED
FOR EASE OF
IDENTIFICATION



IKOpro PU Adhesive

A range of high-performance, single-part, moisture-curing polyurethane adhesives developed for specific applications.

IKOpro PU Adhesive (insulation)

A high-foaming solvent-free PU adhesive specifically developed to securely bond a wide range of insulation boards.

IKOpro PU Adhesive (membrane)

A low-foaming PU adhesive specifically developed to securely bond roofing membranes to a wide range of roofing substrates.



Features & benefits

- ✓ BRE-approved bonding strength
- ✓ Fast curing rates
- ✓ Non-flammable, contractor-safe system
- ✓ Products coloured for ease of identification

Application

Application is straightforward, directly from the container. The substrate must be dry when applying the adhesive as any moisture will create a barrier between substrate and adhesive, reducing the bond strength between them.

Only a thin film of IKOpro PU Adhesive is required. Any excess adhesive should be rolled or spread to prevent excessive foaming. Curing time for the adhesive will depend on ambient temperature and humidity but is typically:



- IKOpro PU Adhesive (insulation): 60 minutes at 5°C and 30 minutes at 20°C
- IKOpro PU Adhesive (membrane): 120 minutes at 5°C and 50 minutes at 20°C



IKOpro PU Adhesive for bonding insulation boards to a wide range of substrates.



IKOpro PU Adhesive for membrane bonding.



IKOpro Fastick Adhesive

The latest addition to the IKOpro range, IKOpro Fastick meets the growing demand for a professional, effective and green solution for bonding roofing membranes and insulation boards to a wide range of roofing substrates. It is an innovative cartridge-applied, solvent-free, two-part polyurethane adhesive specifically developed to ensure a rapid high-strength bond.



IKOpro Fastick is supplied in multiples of 6 x 1.5L twin-cartridges plus 6 x mixer nozzles

IKOpro Fastick Adhesive (insulation)

A two-part, high-foaming, PU adhesive specifically developed for rapid and high-strength bonding of a wide range of insulation boards. Solvent-free.

IKOpro Fastick Adhesive (membrane)

A two-part, low-foaming, PU adhesive for rapid and high-strength bonding of roofing membranes to a wide range of roofing substrates. Solvent-free.

Features & benefits

- ✓ BRE-approved bonding strength
- ✓ Can be applied at temperatures down to 0°C
- ✓ Cartridge system with less on site waste
- ✓ Even faster bonding times
- ✓ Precise nozzle application to ensure consistent coverage
- ✓ Solvent-free, kind to the environment
- ✓ Products coloured for ease of identification

Application

Developed to minimise project time and associated costs, IKOpro Fastick PU Adhesives are supplied in twin-pack plastic cartridges for application with a recommended powered hand applicator tool, allowing the adhesive to be applied precisely and evenly with minimum effort and without waste.

Increase site efficiency with rapid cure times

IKOpro Fastick Adhesives' solvent-free application benefits from fast chemical curing, saving valuable time on site. The fast-setting characteristics will only vary slightly due to ambient weather conditions, thus preventing downtime due to adverse climatic conditions. As long as the cartridges are stored at room temperature, the adhesives can be applied at temperatures down to 0°C. Within just 5 to 10 minutes of application, insulation boards and roofing membranes will be locked down securely so that work can continue. The adhesive is fully cured within 20 to 30 minutes.

 • IKOpro Fastick Adhesive (insulation & membrane):
23 minutes at 5°C and 10 minutes at 20°C

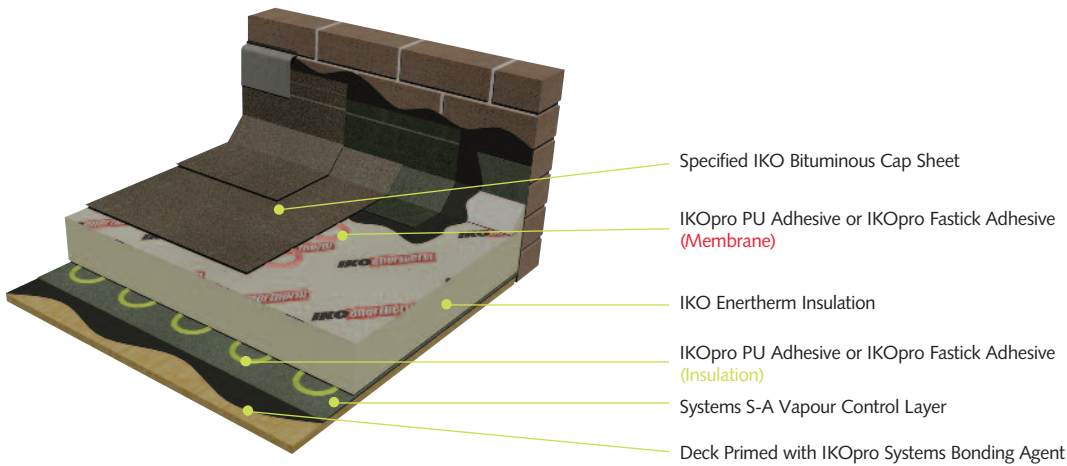


IKOpro Fastick Adhesive for bonding insulation boards to a wide range of substrates.



IKOpro Fastick Adhesive for membrane bonding.

Typical Warm Roof System



Technical Specifications

IKOpro Fastick Adhesive

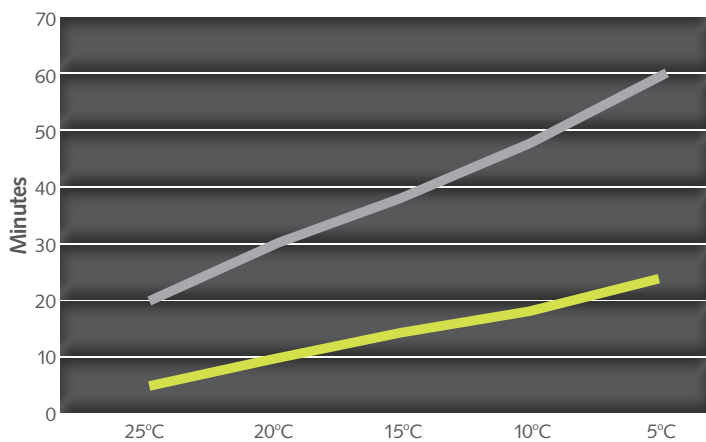
IKOpro PU Adhesive

	IKOpro Fastick Adhesive (Insulation)	IKOpro Fastick Adhesive (Membrane)	IKOpro PU Adhesive (Insulation)	IKOpro PU Adhesive (Membrane)
Base:	Two-part Polyurethane	Two-part Polyurethane	Single-part Polyurethane	Single-part Polyurethane
Viscosity (CPS):	400 at 20°C (part A) 250 at 25°C (Part B)	750 at 20°C (part A) 250 at 25°C (Part B)	4,000 CPS @ 25°C	6,500 CPS @ 25°C
Solids:	100%	100%	100%	82%
Coverage rate:	Approx. 15m ² per cartridge (1.5L)	Approx. 15m ² per cartridge (1.5L)	Approx. 30-35m ² per drum (6L)	Approx. 30-35m ² per drum (6L)
Size:	6 x 1.6Kg (1.5L) twin-cartridges per box	6 x 1.6Kg (1.5L) twin-cartridges per box	6.5Kg (6L) drum	6Kg (6L) drum
Colour:	Green (Part A-Blue, Part B-Yellow)	Red (Part A-Red, Part B-Yellow)	Green	Red
Open Time (10°C):	1-10 minutes	1-6 minutes	15 minutes	40 minutes
Open Time (20°C):	1-5 minutes	1-3 minutes	7 minutes	20 minutes
Open Time (30°C):	1-3 minutes	1-2 minutes	4 minutes	10 minutes
Application Temperature:	0-30°C	0-30°C	5-30°C	5-30°C
Storage Temperature:	0-30°C	0-30°C	5-30°C	5-30°C
Shelf life:	6 months	6 months	6 months	6 months
Environmental:	Solvent-free / Non-flammable	Solvent-free / Non-flammable	Solvent-free / Non-flammable	Solvent-based / Non-flammable
Dynamic Wind Uplift (EOTA TR005 Acceptable roof failure set at -4000Pa):	Test stopped at -5500Pa (specimen exceeded expectations)	Test stopped at -5500Pa (specimen exceeded expectations)	Test stopped at -5500Pa (specimen exceeded expectations)	Test stopped at -5500Pa (specimen exceeded expectations)

Adhesive Cure Rates

Insulation Adhesives

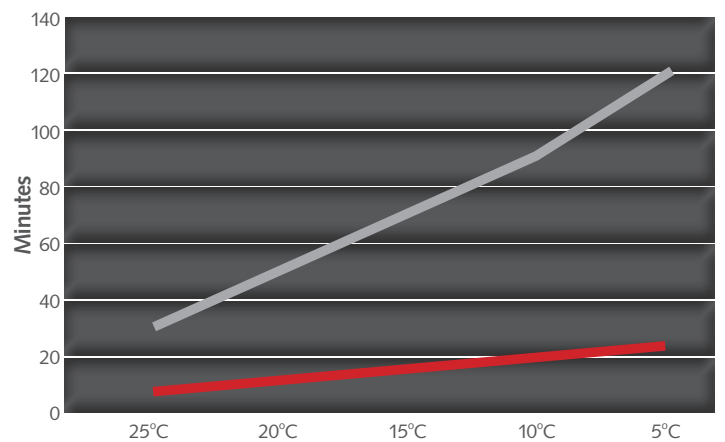
■ IKOpro PU Adhesive
■ IKOpro Fastick Adhesive



Insulation adhesives tested laminating tissue faced PIR insulation board to VCL.

Membrane Adhesives

■ IKOpro PU Adhesive
■ IKOpro Fastick Adhesive



Membrane adhesives tested laminating Mach One bituminous felt to tissue faced PIR insulation board.



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