



Liquids for the Professional

IKOpro Sprayfast FMA



**Fast-Track Adhesive for
Fleece-Backed Roofing Membranes**



Excellence in Polymer Technology

IKopro Sprayfast FMA

Fleece-Backed Membrane Adhesive

IKopro Sprayfast FMA is a moisture-curing polyurethane adhesive that enables fast, secure and professional bonding of fleece-backed polymeric roofing membranes to insulation boards and other substrates. It can be applied up to four times faster than standard roller-applied PU adhesives and is suitable for both large-scale fieldwork and detailing.

Key Benefits

- Rapid, professional application
- Excellent bond & wind uplift resistance
- Aesthetically-pleasing finish
- Economical coverage rate
- Minimises back pain



Rapid, Professional Application

IKopro Sprayfast FMA is up to four times faster to apply than standard roller applied PU adhesives, thanks to its spray-applied canister system. The product can cover up to one metre square of membrane in as little as 25 seconds, and cures in as little as 60 minutes.

Excellent Bond & Wind Uplift Resistance

IKopro Sprayfast FMA can be relied upon to securely bond fleece-backed membranes. The product has passed rigorous and independent testing at BRE for resistance to wind uplift (please refer to the technical data sheet), giving you reassurance that your roof is safe and secure. It also performs in a wide range of temperatures (-30-150°C) and has exceptional long-term ageing properties.

Aesthetically-Pleasing Finish

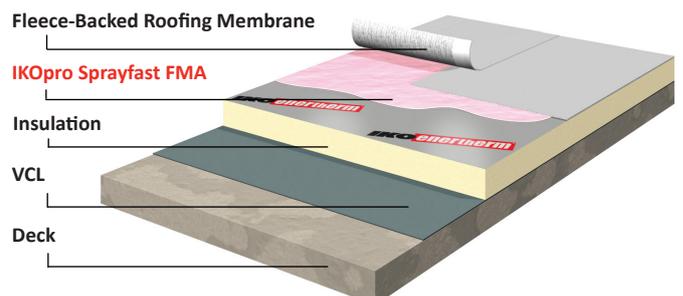
In addition to ensuring a secure bond that is resistant to wind uplift, IKopro Sprayfast FMA ensures a high quality, aesthetically-pleasing finish. It is a non-foaming adhesive, allowing a truly flat lamination of the roofing membrane, without any unnecessary creasing or wrinkling. Furthermore, the spray application ensures even coverage of the adhesive, further promoting a smooth consistent finish.

Economical Coverage Rate

IKopro Sprayfast FMA has an extremely economical coverage rate, and one canister will easily cover up to 180m². Furthermore, because it is a one-way stick system (the adhesive is only applied to the insulation), only minimal adhesive is required to ensure a strong, long-lasting bond. The 3 metre hose also enables professional, precise application, which also helps to reduce wastage on site.

Minimises Back Pain

Back pain is a common complaint of many contractors, often caused by bending and stooping to apply hand-poured bead-applied adhesives. IKopro Sprayfast FMA can be applied quickly and safely thanks to the 3 metre hose/applicator. It is also simple to carry onsite due to the handles featured on the outer packaging.



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Fleece-Backed Membrane Adhesive

Guidelines for Use

1. Ensure the insulation board or other roof substrate is dry and clean from grease, dirt and other contaminants before applying adhesive.
2. Set the canister up as described in the 'Set-Up and Maintenance Guide'.
3. Mark out the area to be bonded and ensure that the fleece-backed membrane is cut to size and in position.
4. Protect the edge/seam to be welded in order to prevent it becoming contaminated with adhesive.
5. Remove any overspray from the surface of the membrane with a dry cloth.
6. Ensure the IKOpro Sprayfast FMA spray pattern is 300mm wide. It is recommended that a test surface is used prior to application.
7. Apply a minimum of two coats of adhesive to the insulation, ensuring each two metre pass takes a minimum of 10 seconds.
8. Walk backwards ensuring an even coat of adhesive is applied.
9. Allow the solvents to evaporate from the adhesive layer for a minimum of 5 minutes at 20°C. NB: This time will vary depending on climatic conditions.
10. Roll the fleece-backed membrane into the adhesive layer.
11. Consolidate the bond using a 20kg water-filled roller or soft broom.

IKOpro Sprayfast FMA is supplied as standard as a canister adhesive (450mm x 330mm) in a cardboard carry box.

Other components required and supplied separately include:

- IKOpro Sprayfast Lance & Spray-Tip
- IKOpro Sprayfast Braided Hose
- IKOpro Sprayfast Cleaning Aerosol



The IKOpro Sprayfast range of tools and accessories

Coverage

Each canister of IKOpro Sprayfast FMA will cover up to 180m², depending on viscosity and other variables.

Technical Data

Appearance	Pink	Open-Time	10 minutes at 20°C
Temperature Resistance	-30-150°C	Application Temperature	5-30°C
Canister Coverage Rate	up to 180m ²	Storage	5-30°C
Cure-Time	60 minutes at 20°C	Environmental	Solvent/Flammable/ Hazardous

Exceeds Independent Standards for Resistance to Wind Uplift

The IKOpro Sprayfast range significantly exceeds requirements for resistance to wind uplift, as given in BS EN 1991-1-4*. Expected wind uplift pressure for flat roofing is -1,000Pa for London and -2000Pa for Inverness. Roofing systems were constructed using IKOpro Sprayfast Adhesives using methods specified in EOTA TR005**, and achieved resistance figures of up to -9,000Pa - massively exceeding expected minimum standards.

*BSI EN 1991-1-4 provides guidance for the structural design of buildings for wind.

**EOTA TR005 specifies the method for determining resistance to wind loads.

IKOpro Sprayfast FMA

Set-Up and Maintenance Guide

Canister Set-Up Guide

NB: It is important to set-up your IKOpro Sprayfast FMA Canister Adhesive correctly before use to ensure the best possible performance and to avoid leakage or system failure.

1. Remove the black cap from the canister valve.
2. Attach the braided-hose to the canister valve (using the small nut). Tighten with a spanner (see image 1).
3. Attach the other end of the braided-hose to the spray gun (using the large nut). Tighten with a spanner (see image 2).
4. Using the locking-nut provided, attach the spray-tip to the end of the spray-gun. Carefully tighten the spray-tip using a spanner (see image 3)
5. Fully open the valve on the canister.
6. Pull the trigger on the spray-gun to apply the adhesive.
7. Adjust the spray pattern by turning the black valve on the spray-gun anti-clockwise until you have a spray pattern approximately 300mm in width (see image 4).



Image 1: Canister with the braided-hose correctly attached



Image 2: Braided-hose and spray-gun



Image 3: Attach the spray-tip



Image 4: Black valve to adjust spray pattern

Maintenance Guide

1. Once work has been completed, ensure the valve on the canister is turned off (see image 5). This can be done by turning the white valve clockwise until it is fully closed.
2. Turn the spray-gun off by turning the black valve clockwise until it is fully closed.
3. Unscrew the spray-tip and locking-nut from the spray gun.
4. Clean the spray-tip at the end of the spray-gun with IKOpro Sprayfast Cleaning Aerosol using a soft nylon brush to ensure that the aperture is clear (see image 6). **This is essential, as failure to clean the spray-tip and the end of the spray-gun may result in damage to the aperture and prevent the system from working.**
5. Place the spray-tip and locking-nut in a container with a small amount of IKOpro Sprayfast Cleaning solvent until it is needed again (see image 7). Ensure the container is closed and airtight.
6. The canister and gun will remain usable for one month after opening. If you do not intend to use the system within this time, flush it with the IKOpro Sprayfast Canister Flushing System.



Image 5: Turn the valve off



Image 6: Cleaning the spray-tip



Image 7: Spray-tip in solvent

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Set-Up and Maintenance Guide

Canister Flushing System

The IKopro Sprayfast Canister Flushing System is designed to ensure that the canister gun and hose remain free from blockages. Directions for use are as follows:

1. Ensure the valve on the canister is completely turned off before attaching the assembly. Unscrew the hose from the canister valve.
2. Attach the assembly to the valve. Ensure the assembly remains upright whilst you tighten the nut on it (see image 9).
3. Attach the hose to the assembly. Ensure the assembly remains upright whilst you tighten the hose.
4. Check the tap on the assembly is off before applying the IKopro Sprayfast Cleaning Aerosol.
5. Screw the IKopro Sprayfast Cleaning Aerosol into the adaptor (see image 10). Turn the tap on the assembly to the 'on' position to release the IKopro Sprayfast Cleaning Aerosol into the hose (see image 11).
6. Aiming the gun into a waste container, apply pressure to the trigger on the gun to push the IKopro Sprayfast Cleaning Aerosol through the hose and gun until the adhesive starts to disperse. Keep pressure on the trigger until the hose and gun are thoroughly cleaned (see image 12).



Image 8: Canister assembly



Image 9: Tighten the nut



Image 10: Screw Cleaning Aerosol into the adaptor



Image 11: Turn the tap on

Emptying and Disposing of Your Canister Safely

1. IKopro Sprayfast canisters contain compressed gas.
2. Each canister should be emptied by carefully opening the valve, which will release any excess adhesive and/or pressure (see image 13).
3. Allow any excess adhesive and/or pressure to fully escape into a suitable container. Ensure all canisters are disposed of in accordance with local authority regulations, which can be found at www.wastedirectory.org.uk. Waste classification codes can be found on the products material safety data sheet.
4. Canisters empty of any hazardous materials antidepressant can be considered as scrap metal in accordance with the national or local waste company, under code EWC 150104 (empty aerosol, no hazardous residues).
5. Canisters that are still pressurised and contain adhesive/primer should be disposed of in accordance with the national or local waste company under code EWC 160504 (full or partially empty aerosol).



Image 12: Disperse the adhesive



Image 13: Open the valve

Information on storing canisters can be found on the following websites:

www.bama.co.uk/transport-storage/
www.hse.gov.uk/pubns/priced/hsg71.pdf.
Alternatively, please call IKO Polymeric for further guidance.

nbsPlus



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