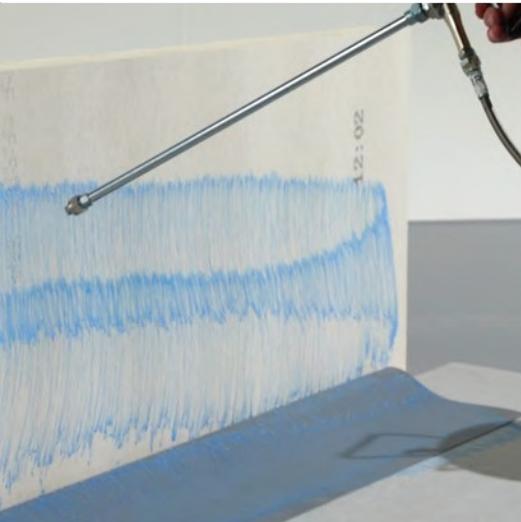
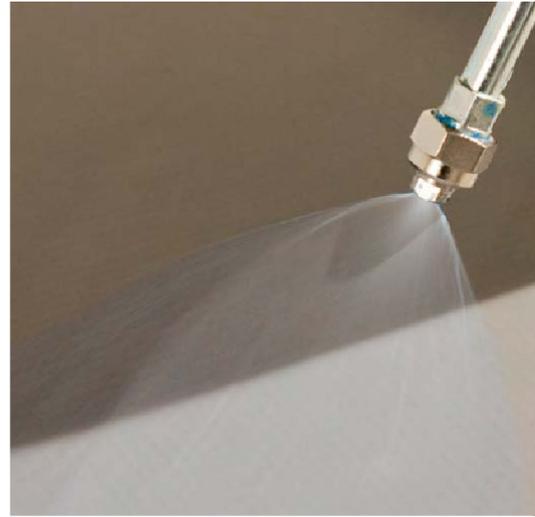




## IKOpro Sprayfast PCA



Fast-Track, Multipurpose Adhesive  
for PVC Roofing Membranes



# IKOpro Sprayfast PCA

## Multipurpose PVC Membrane Adhesive

### Introduction

IKOpro Sprayfast PCA is a multipurpose, moisture-curing polyurethane adhesive that enables professional, simple and secure bonding of non-backed PVC roofing membranes to a wide range of roof substrates. It features two-way stick application, providing high grab and instant bond, and making it ideal for use on both large-scale fieldwork and detailing.

### Key Benefits

- Rapid, professional application
- Multipurpose formulation
- Aesthetically-pleasing finish
- Economical coverage rate
- Minimises back pain



### Rapid, Professional Application

Although IKOpro Sprayfast PCA is a two-way stick adhesive, it is still up to twice as fast to apply than a standard one-way stick roller-applied adhesive. It covers up to one metre square of membrane in as little as 40 seconds, and cures in as little as 30 minutes.

### Multipurpose Formulation

IKOpro Sprayfast PCA is a multipurpose canister adhesive that will effectively bond non-backed PVC membranes to a wide range of roof substrates. In addition to large roof areas, it is ideal for use on vertical substrates and other detailing work, such as attaching membrane to drainage / outlet pipes and rooflights. It also performs in a wide range of temperatures (-30-150°C) and has exceptional long-term ageing properties.

### Aesthetically-Pleasing Finish

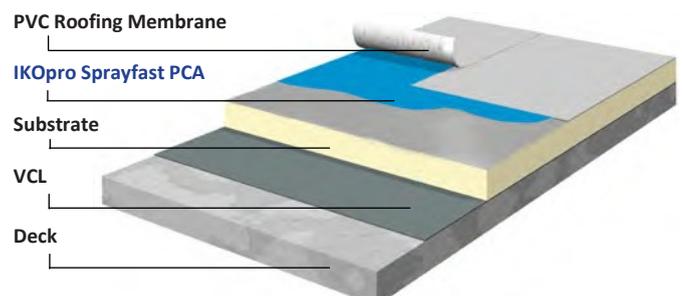
In addition to ensuring a long-term, secure bond, IKOpro Sprayfast PCA ensures a high quality, aesthetically-pleasing finish. It is a non-foaming adhesive, allowing a truly flat lamination of the roofing membrane, without any unnecessary creasing or wrinkling. Furthermore, the spray application ensures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

### Economical Coverage Rate

IKOpro Sprayfast PCA has an economical coverage rate, and one canister will cover up to 100m<sup>2</sup>. 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 PCA 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.



# IKopro Sprayfast PCA

## Multipurpose PVC 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.  
**NB: There is no need to tape board joints before applying IKopro Sprayfast PCA.**
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 PVC roofing 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 PCA spray pattern is 300mm wide. It is recommended that a test surface is used prior to application.
7. Apply an even coat of adhesive to both the substrate and the back of the membrane, 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 1-2 minutes at 20°C. NB: This time will vary depending on climatic conditions.
10. Roll the coated membrane into the adhesive layer.
11. Consolidate the bond using a 20kg water-filled roller or a hand roller.
12. A short nose gun suitable for detail work is also available.

IKopro Sprayfast PCA 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
- Short nose gun, suitable for detail work



The IKopro Sprayfast range of tools and accessories

### Coverage

Each canister of IKopro Sprayfast PCA will cover up to 100m<sup>2</sup>. Coverage rates may be reduced on porous or uneven substrates, and a primer may be required before applying the adhesive.

### Technical Data

Appearance	Blue	Open-Time	1-20 minutes at 20°C
Temperature Resistance	-30-150°C	Application Temperature	5-30°C
Canister Coverage Rate	up to 100m <sup>2</sup>	Storage	5-30°C
Cure-Time	30 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 PCA

## Set-Up and Maintenance Guide

### Canister Set-Up Guide

NB: It is important to set-up your IKOpro Sprayfast PCA 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 (see image 5).
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. Turn the spray-gun off by turning the black valve clockwise until it is fully closed.
2. Unscrew the spray-tip and locking-nut from the spray gun.
3. 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.**
4. 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.
5. The canister and gun will remain usable for 2 weeks after opening. If you do not intend to use the system within this time the adhesive in the hose and gun should be renewed by purging approx. 250ml of adhesive through the system every 2 weeks. If the system is not going to be used for longer than 2 weeks we recommend flushing the gun and hose with the IKOpro Sprayfast Canister Flushing System.



Image 5: Turning the valve



Image 6: Cleaning the spray-tip



Image 7: Spray-tip in solvent

# IKOpro Sprayfast PCA

## 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).

### Emptying and Disposing of Your Canister Safely

1. IKOpro Sprayfast canisters contain compressed gas, and it is important that they are completely empty and depressurised before disposal. Each canister should be emptied by carefully opening the valve, which will release any excess adhesive and/or pressure (see image 13).
2. Allow any excess adhesive and/or pressure to fully escape into a suitable container. Leave the valve open.
3. Once the canister is empty and completely depressurised, the circular disk can be pierced using a non-ferrous bar/rod. Allow any remaining adhesive to cure. The empty depressurised canister should be disposed/recycled in accordance with site regulations.
4. Canisters empty of any hazardous materials and depressurised 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 8: Canister assembly



Image 9: Tighten the nut



Image 10: Screw Cleaning Aerosol into the adaptor



Image 11: Turn the tap on



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/](http://www.bama.co.uk/transport-storage/) and [www.hse.gov.uk/pubns/priced/hsg71.pdf](http://www.hse.gov.uk/pubns/priced/hsg71.pdf). Alternatively, please call IKO Polymeric for further guidance.



#### IKO Polymeric

Coney Green Road  
Clay Cross  
Chesterfield S45 9HZ  
[www.ikopolymeric.com](http://www.ikopolymeric.com)

Member of the  
IKO Group

#### Sales Support

T: 01257 488005  
E: [polymeric.sales.uk@iko.com](mailto:polymeric.sales.uk@iko.com)

#### Technical Services

T: 01257 488012  
E: [polymeric.technical.uk@iko.com](mailto:polymeric.technical.uk@iko.com)

IKO Polymeric is a trading division of IKO PLC.  
VAT Registration No. GB 643 0358 57 Company Registered in UK No. 2678296.  
Registered Office: Appley Lane North, Appley Bridge, Wigan, Lancashire, WN6 9AB.

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