

FF859 Adhered Membrane Adhesive

Product Description

FF859 is a one component, moisture curing polyurethane adhesive which has been formulated for bonding Fatra FF807 fleece-backed PVC membranes to insulation boards. FF859 will also adhere FF807 directly to plywood decks in a cold roof application. The adhesive is roller applied and cures by reacting with atmospheric moisture. The cured adhesive film has very good resistance to heat and hydrolysis. FF859 is available in 20 kg or 6 kg tins.

Physical Characteristics

FF859 Adhered Membrane Adhesive			
Appearance	Blue	Cleaner	FF860 Solvent
Specific gravity	1.125 (@ 20°C)	Coverage rate	70 m ² per 20 kg tin / 21 m ² per 6 kg tin
Application Temperature	5°C to 30°C	Viscosity (cPs)	Approx. 2,500 (@ 20°C)
Temperature Resistance	-30°C to 100°C	Storage Temperature	5°C to 25°C
Open Time (20°C)	Up to 20 minutes	Environmental	Solvent free / Non-flammable
Initial Setting Time (20°C)	30 minutes	Shelf life	9 months @ 5°C to 25°C

Application

1. Roll out the membrane loose over the insulation / substrate, making sure the membrane is running straight and the selvage edge is lapped correctly.
2. Roll the membrane back and then apply Fatra FF859 polyurethane adhesive to the insulation / substrate at a rate of no more than 4 m² per litre to produce an even coating on the substrate. During the summer months, apply a fine misting of water vapour spray to accelerate the foaming process.
3. Wait until adhesive 'foams' then roll the membrane into the wet adhesive and apply pressure by using a roller or a soft brush. (The roofing membrane should be laid into the wet adhesive within 5 to 10 minutes, depending on the ambient conditions, and consolidated within the next 10 to 20 minutes.)
4. Initial setting at 20°C (and 40% to 70% relative humidity) is approximately 30 minutes.
5. Final setting takes around 5 hours.

Open time and cure time

All information is provided as a guideline only. Open time and cure time are both dependent on a range of variables: temperature, substrate being bonded, method of application, weight of adhesive applied and relative humidity. Fatra recommends that testing is conducted prior to application.

Substrates

Substrates must be firm, clean, sound, wind-dry and free of foreign substances and oils. Ambient conditions must be considered when using moisture curing adhesives. Temperature and humidity levels will affect the speed of skinning and final set. Application of the adhesive in temperatures below 5°C will result in longer curing times and a reduced coverage rate.

Precautions in Use

Important: For full details please refer to the separate Material Safety Data Sheet for this product.

Environmental and Waste Issues

Cured residues may be disposed of as dry waste.

Liquid residues should be disposed of as hazardous waste.

Residues should be disposed of in accordance with local authority guidelines.

Storage

To ensure safe storage of Fatra FF859 Adhesive, containers should be well sealed to prevent formation of skin on the surface. The product must be stored at a temperature above freezing. A temperature of 10°C to 25°C for not more than 9 months is recommended. Higher temperatures will affect quality and cause the formation of crusts and skins, especially if the containers are not tightly closed or subjected to direct sunlight for long periods.