Product Data Sheet

ADH-S ADHESIVE

ADH-S Adhesive is a specialist high-tack adhesive providing a safe and high performing method of bonding fleece-backed PVC (Ecoflex ADH) and bitumen (Force ADH) membranes to HYTHERM ADH PIR insulation boards.

ADH-S Adhesive securely bonds fleece-backed waterproofing membranes to PIR insulation board, due to its high tack and excellent adhesion. It creates a strong and lasting bond between the two, preventing the membrane from lifting and simplifying the installation process.

Key features

- Excellent coverage rate making it economical to use
- High performance, heat resistant and durable
- Non-flammable: eliminates 'hot works', safe to store on site
- Securely bonds fleece-backed PVC and bitumen membranes to a range of tissue-faced insulation boards
- Reduced need for intrusive mechanical fixings
- Speedy installation time

Packaging

ADH adhesive is supplied in a 20 litre (22 kg) poly bottle with handle for easy handling and pouring.

Application method

- Substrates suitable for*: Concrete, Timber, Metal Decks, Tissue & Foil-Faced PIR, RBM & BUR, Asphalt, Mineral Wool
- Membranes suitable for*: Fleece-Backed PVC, TPO/TPE & EPDM
- Ensure all surfaces are free from dust, grease and other contaminants.
- Apply ADH-S adhesive directly to the insulation board with a lambswool roller (it is a single-component, one-way stick moisture curing polyurethane (MCPU) adhesive).
- Leave the insulation board for 10 minutes in order to allow the solvent to escape from the adhesive film.
- Roll the fleece-backed membrane into the ADH-S Adhesive and consolidate substrates using a 20kg water filled roller to prevent air entrapment.
- It cures rapidly in temperatures 5-30°C.
- Average coverage rate: Up to 100m^2 / 20 litres (22kg)*

*Adhesion tests should be carried out prior to use. Applications only for substrates and membranes listed. All other substrates and membranes should be tested prior to use. Please contact our Technical Team to discuss further.

TECHNICAL DATA	
Product	ADH-S Adhesive (77% solids)
Appearance	Pink
Application temperature	5 – 30°C
Temperature resistance	-30 – 140°C
Cure time (10°C)	180 minutes
Cure time (20°C)	90 minutes
Cure time (30°C)	45 minutes
Coverage*	Up to 100m^2 / 20 litres (22kg)
Flash point	See SDS
Viscosity (CPS)	2800
Storage temperature	5 - 25°C
Open time (10°C)	60 minutes
Open time (20°C)	30 minutes
Open time (30°C)	15 minutes
Environmental	Solvent-based Non flammable

*Please note: Above information is provided as a guideline. Coverage rate stated is approximate, the porosity and type of supports/materials/ surface atmospheric conditions will affect coverage rates and potentially fall outside of the guideline given within the TDS.

It is necessary for a test to be conducted prior to application to establish accurate coverage rates, cure times and other factors on a project specific bases to ensure suitability for the wide variety of requirements and condition on site.

Axter Ltd makes no warranties, express or implied, as to the properties and performance under any variations from such conditions in actual construction.

ADH-S Adhesive significantly exceeds requirements for wind uplift, as given in BS EN 1991-1-4 (which provides guidance for the structural design of buildings for wind). Further information is available from Axter Ltd.

Storage and handling

ADH-S Adhesive is a moisture-sensitive adhesive which will gel if left in open contact with air for any length of time. This product has been protected with a layer of nitrogen ensuring a shelf life of six months in a sealed and dry container stored at a temperature of 5 - 25˚C. Once the container is opened, the layer of nitrogen will disappear and the adhesive will have a limited life.

It should be noted that carbon dioxide will be given off if water enters the adhesive container, which can cause pressurisation.

The hazard labels and Safety Data Sheet (SDS) for this product must be read prior to use. Please contact Axter Ltd for further information.

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