

Product Data Sheet

ADH ADHESIVE

ADH Adhesive is a solvent-free adhesive providing a safe, effective and green method of bonding fleece-backed PVC (Ecoflex ADH) and bitumen (Force 4000 S ADH) membranes to insulation boards.

Key features

- Excellent coverage rate making it economical to use
- Solvent-free, high performance
- Non-flammable: eliminates 'hot works', safe to store on site
- Securely bonds fleece-backed membranes to a range of tissue-faced insulation boards
- Heat-resistant and durable; also reduced need for intrusive mechanical fixings
- Speedy installation time

Packaging

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

Application method

- Substrates suitable for*: Concrete, Timber, Metal Decks, Tissue & Foil-Faced PIR, EPS, XPS, RBM & BUR, Asphalt, Mineral Wool
- Membranes suitable for*: Fleece PVC, TPO/TPE, & EPDM
- Ensure all surfaces are free from dust, grease and other contaminants.
- Apply ADH adhesive directly to the insulation board with a lambswool roller (it is a single-component, one-way stick moisture curing polyurethane (MCPU) adhesive).
- Roll the fleece-backed membrane into the ADH Adhesive and consolidate substrates using a 20kg water filled roller to prevent air entrapment.
- It cures rapidly in temperatures 5-30°C.
- 60m² / 20 litres (22kg)*
- Axter ADH Adhesive, when uncured should be removed from tools with a solvent.
- Axter ADH Adhesive should be cleaned from the membrane with Axter Membrane Cleaner

*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 Adhesive
Appearance	Green
Application temperature	5 – 30°C
Temperature resistance	-40 – 140°C
Cure time (10°C)	100 minutes
Cure time (20°C)	50 minutes
Cure time (30°C)	25 minutes
Coverage*	2.7m ² / kg 60m ² / 20 litres (22kg)
Flash point	See MSDS
Viscosity (CPS)	3000
Storage temperature	5 - 25°C
Open time (10°C)	30 minutes
Open time (20°C)	15 minutes
Open time (30°C)	7 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 Adhesive exceed independent standards for resistance to wind uplift.
Further information is available from Axter Ltd.

Storage and handling

ADH 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 the shelf life of 12 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.

The hazard labels and Material Safety Data Sheet (MSDS) for this product must be read prior to use.

Please contact Axter Ltd for further information.

The manufacturer reserves the right without prior notice to modify the composition of this product. The information provided is not intended to form any part of a contract or provide a guarantee and users should check if there have been any changes to the information above since publication of this document. Characteristics provided in this publication derive from data obtained under controlled test conditions. Axter Ltd makes no warranties, express or implied, as to the properties and performance under any variations from such conditions in actual construction or for incorrect use of this product.