

# Product Data Sheet

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## HYRASTIK EVO Adhesive

### **Non-flammable, solvent-free, low-odour adhesive for insulation boards**

Hyrastik Evo is a single-component, high performance, moisture-curing polyurethane insulation adhesive with green credentials, developed to provide a safe and effective solution to bonding insulation securely to various roof decks..

#### **Key benefits**

- Green credentials: non-flammable, solvent-free, low-odour.
- No 'hot works' involved so maximises building and contractor safety.
- Rapid application and curing times.
- Resistant to chemicals and water.
- Reduces requirement for intrusive mechanical fixings.
- Safe to store on site.

Hyrastik Evo is compatible for use with a wide range of insulation types, including Cellular Glass (CG), EPS, XPS and PIR boards (both tissue and foil-faced) and gives the option of bonding boards straight to the roof deck or to the air and vapour control layer (AVCL). It can be used on many types of buildings and being a non-flammable, low-odour and solvent-free product, it is particularly suitable for use on buildings such as hospitals and schools.

Project costs can be minimised by using Hyrastik Evo due to the simple and speedy application method (it is applied straight from the tin in beads or ribbons as it is a single-component MCPU adhesive) and reduced requirement for equipment investment. It cures rapidly in temperatures from 5-30°C and, with a coverage rate of 30-60m<sup>2</sup> per 6 litre tin, is economical to use.

## Packaging

Hyrastik Evo is supplied in a 6 litre rectangular tin which includes a spout for simple pouring. The tin is easy to compact, reducing disposal costs.

## Application method

- Substrates suitable for\*: AVCL's, Concrete, Timber, Metal Decks, Tissue & Foil PIR (Foil-Faced PIR requires one porous surface), EPS, XPS, RBM & BUR, Asphalt, Mineral Wool and Foam Glass.
- Ensure the roof deck is dry and free from dust, grease and other contaminants.
- Apply Hyrastik Evo directly on to the substrate (deck or AVCL) in beads 10mm-20mm wide at 200-300mm centres.
- Place the insulation board immediately on to the Hyrastik Evo.
- Apply pressure to the board to ensure full contact with the adhesive.
- Allow to cure.

\*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 Axter Ltd for further details.

## Technical Data

Product	Hyrastik
Appearance	Brown
Base	Polyurethane
Application Temperature	5 - 30°C
Temperature Resistance	-40 - 140°C
Cure Time (20°C)	30 minutes
Open Time (20°C)	5 minutes
Shelf life	12 Months
Coverage	30-60m <sup>2</sup> / 6l (6.5kg)
Viscosity	Beads
Storage temperature	5 - 25°C
Environmental	Solvent-free Non-flammable
Health & safety	See MSDS

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.

Hyrastik Evo exceeds independent standards for resistance to wind uplift.

Further information is available from Axter Ltd.

## Storage and handling

Hyrastik Evo is a moisture-sensitive adhesive and will eventually gel if left in open contact with air. Every care is taken to ensure that the product is supplied fit for purpose by being protected with a layer of nitrogen prior to despatch. This ensures a storage life of 12 months, provided that the container is left unopened in a dry condition at a temperature of 5-25°C. The layer of nitrogen will disappear and the adhesive will have a limited life once the container is opened.

It is also important to be aware that carbon dioxide will be given off if water enters the adhesive container, which can cause pressurisation.

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.

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The intended use of this product should be verified with Axter Ltd prior to adoption to ensure its suitability and compliance with specifications, project requirements, industry regulations, legislation, good practice, installation techniques and all other relevant guidance. Axter Ltd accepts no liability for non-compliant use of this product.