

# 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 to 30°C and, with a coverage rate of 30 to 60 m<sup>2</sup> per 6 litres, 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

- 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 20mm to 30mm 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.

## Technical Data

|                                |                        |                            |                                   |
|--------------------------------|------------------------|----------------------------|-----------------------------------|
| <b>Product</b>                 | Hyrastik (100% solids) | <b>Open Time (10°C)</b>    | 15 minutes                        |
| <b>Appearance</b>              | Brown                  | <b>Open Time (20°C)</b>    | 7 minutes                         |
| <b>Application Temperature</b> | 5 - 30°C               | <b>Open Time (30°C)</b>    | 4 minutes                         |
| <b>Temperature Resistance</b>  | -30 - 100°C            | <b>Coverage</b>            | 30-60 m <sup>2</sup> / 6l (6.5kg) |
| <b>Cure Time (10°C)</b>        | 60 minutes             | <b>Viscosity (CPS)</b>     | 4,000                             |
| <b>Cure Time (20°C)</b>        | 30 minutes             | <b>Storage temperature</b> | 5 - 30°C                          |
| <b>Cure Time (30°C)</b>        | 15 minutes             | <b>Environmental</b>       | Solvent-free<br>Non-flammable     |

Please note:

Above information is provided as a guideline. Open times and cure times both depend on variables such as temperature, the substrate being bonded, method of application, weight of adhesive applied and relative humidity. Axter Ltd recommends that a test is conducted prior to application.

Hyrastik Evo 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

Hyrastik 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 six months, provided that the container is left unopened in a dry condition at a temperature of 5 - 30°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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