

Product Data Sheet

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 30-60 m² 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 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.

*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	Hyrastik (100% solids)
Appearance	Brown
Application Temperature	5 - 30°C
Temperature Resistance	-40 - 140°C
Cure Time (10°C)	60 minutes
Cure Time (20°C)	30 minutes
Cure Time (30°C)	15 minutes
Open Time (10°C)	10 minutes
Open Time (20°C)	5 minutes
Open Time (30°C)	2 minutes

Coverage	30-60 m ² / 6l (6.5kg)
Viscosity (CPS)	4,000
Storage temperature	5 - 25°C
Environmental	Solvent-free 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.

Hyrastik Evo exceeds independent standards for resistance to wind uplift.

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 - 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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