EWIPRO Render Systems

EWI-240
EPS ADHESIVE
PRODUCT DATA SHEET



EWI-240 EPS Adhesive is a one-component, low-pressure polyurethane adhesive designed for fixing graphite EPS insulation boards within external wall insulation systems and XPS boards in suitable foundation applications.

Supplied in a 750ml can for application with a foam gun, it provides a fast and practical method of bonding insulation boards to compatible substrates.

Intended Uses

EWI-240 EPS Adhesive is intended for bonding graphite EPS insulation boards within external wall insulation systems and for fixing XPS insulation boards in suitable foundation applications.

It may be applied to compatible substrates including concrete, ceramic surfaces, timber and PVC, subject to appropriate substrate preparation and project requirements. It may also be used for filling suitable gaps within insulation installations.

Technical Specification

Composition	Polyurethane adhesive containing diphenylmethane diisocyanate isomers and homologues, dimethyl ether, alkanes and tris phosphate
Colour	Grey
Quantity Per Unit	750ml
Consumption	Approx. 0.09kg/m²
Coverage Rate – EPS	Approx. 8m² per 750ml can
Coverage Rate – XPS	Approx. 12m² per 750ml can
Recommended Joint Thickness	8mm or 15mm

Correction Time	Approx. 4 minutes at +23°C and 50% RH
Minimum Fixing Time	Approx. 2 hours
Total Curing Time	Approx. 24 hours
Recommended Can Temperature	Approx. +20°C
Application Temperature	-5°C to +30°C
Adhesion to Concrete	≥0.08MPa
Adhesion to Polystyrene	≥0.08MPa

Please note: Thickness, consumption and coverage figures are indicative only and may vary depending on the condition, profile and absorbency of the substrate, as well as the application method. Actual material requirements should be assessed on site before application.

Please see the reverse of this page for directions for use.

Directions for use

Substrate Preparation

The substrate must be clean, stable and free from dust, debris, loose coatings and other contaminants that may reduce adhesion. Remove any weak or poorly bonded paint, plaster or surface material before application.

Product Preparation

Ensure the can temperature is above 0°C; approximately +20°C is recommended. Shake vigorously for around 30 seconds, attach the applicator gun securely and keep the can inverted during use.

Application

For EPS boards in ETICS applications, apply an adhesive bead approximately 30mm wide around the perimeter of the board, about 20mm from the edge, with an additional bead through the centre. The bonded area should cover at least 40% of the board surface.

For XPS foundation applications, apply approximately four vertical beads, 30mm wide and spaced around 200–300mm apart, maintaining approximately 30mm clearance from the board edges. Wider boards may require additional beads.

After applying the adhesive, wait approximately 3 minutes at +20°C or 5 minutes at -5°C before positioning the board. The board may be adjusted for approximately 4 minutes after fixing. The finished adhesive joint should be approximately 8mm or 15mm. Boards may receive further processing after approximately 2 hours.

Application Conditions

Apply between -5°C and +30°C. Do not apply during rainfall, strong direct sunlight or where the bonded area will be subject to continuous water exposure.

Clean-up

Clean the applicator gun immediately after use with a suitable polyurethane foam cleaner. Once cured, adhesive should be removed mechanically.

Packaging & Storage

EWI-240 EPS Adhesive is supplied in 750ml cans. Store upright between +5°C and +30°C in a dry, cool and well-ventilated place, protected from direct sunlight, heat and ignition sources. Shelf life is up to 12 months when stored correctly.

Compliance with Standards

Manufacturer reference: ITB-KOT-2018/0531

Safety Measures

Extremely flammable aerosol. Wear suitable chemical-resistant gloves, protective clothing and eye protection. Avoid contact with skin and eyes and refer to the latest Safety Data Sheet for full handling, first aid and disposal guidance.

General Information

This data sheet replaces all previous editions. The information provided is based on current knowledge and practical experience, and while it has been compiled with care, it is not guaranteed to be accurate, complete or suitable for all applications. It is the responsibility of the user to verify the product's suitability for their specific use case. No legal obligations are established by this document.

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