

EWI-240 EPS ADHESIVE

EWI-240 EPS Adhesive 750ml is a one-component-low-pressure Polyurethane Graphite Adhesive PPU-2 with an applicator gun, designed for fixing XPS and graphite EPS boards for the insulation of facades and foundations.

EPS Adhesive is used for bonding graphite Styrofoam boards on facade installations for thermal insulation of external walls, polystyrene panels, wall panels, installation of windows sills, and filling gaps in the insulation.



Intended Uses.

EPS Adhesive EWI-240 is designed to attach the expanded polystyrene (EPS) boards to the underlying substrate. The adhesive is also highly versatile; it can be applied to various different substrates including concrete, ceramic, wood, PVC, and more.

Technical Specification

Colour

Grey

Efficiency per 750ml

8m² (EPS - ETICS)

12m (XPS - Foundation)

Efficiency depends on air temperature and humidity.

Correction Time

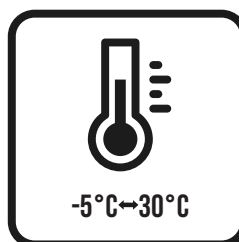
About 4 minutes (a 23°C, RH 50%)

Minimum Fixing Time

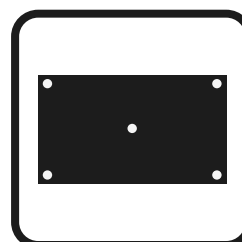
2 hours



**4 minutes
Correction time**



**Application
Temperature**



EPS/XPS Specific

Directions for use.

Substrate Preparation

Surfaces must be free of dust, debris, and other materials that would impair the bond strength. Check the adhesion of the existing paint or plaster, any old layers must be removed.

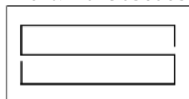
Product Preparation

Before using, ensure the can temperature is above zero (optimum +20°C). Shake the can vigorously for 30 seconds to mix the components. Screw the gun onto the can. Hold the can upside-down during application.

Application

Fixing expanded polystyrene boards by the ETICS method:

Apply a bead of adhesive (approx. 3 cm wide) around the perimeter of polystyrene boards (approx. 2 cm from the edge), with an additional bead across the centre of the board. The bonding area should not be less than 40%. Make about 5 cm breaks in strings as shown on the figure below:



The thickness of the joint should be (after joining the polystyrene boards to the wall) 8 or 15mm. After applying the adhesive beads, wait approx. 3 minutes (temperature 20°C) or 5 minutes (temperature -5°C), then put it on the insulated wall and correct the position with an assembly batten. The board position can be precisely corrected (without removing from the bonding surface) within 4 minutes from joining it to the wall.

After 2 hours, the boards are ready for further processing (polishing with an abrasive paper and fixing with special mechanical connectors). After finishing the work, the dispensing gun should be cleaned using a cleaning agent, e.g. cleaner for polyurethane foams. The works employing the adhesive should not be carried out during atmospheric precipitation and strong sunlight.

Fixing of thermoinsulation to foundation:

Apply the adhesive in 4 vertical strips approx. 3 cm wide maintaining equal spacing of 20-30 cm. Ensure 3cm clearance from the edge of the board (for boards wider than 100 cm, more strips should be applied). The general diagram of the procedure is presented on the figure below:



After applying strips of adhesive, it is necessary to wait about 3 minutes (at the temp. of 20°C) or 5 minutes (at the temp. of -5°C), and then the board should be placed on the surface and the board's position should be adjusted. The board's position can be precisely corrected (without being removed from the bonding surface) within 4 minutes from joining it to the wall. At lintels and in the corners, support the boards (approx. 10-15 minutes) until the bond cures. After 2 hours the boards are ready for further processing. Additional mechanical fixings are required in the plinth area and along the edge of the building. Fill the gaps and joints between the bonded boards using adhesive.

After finishing the work, the dispensing gun should be cleaned using a cleaning agent, e.g. cleaner for polyurethane foams. The works employing the adhesive should not be carried out during atmospheric precipitation, strong sunlight, in case of continuous exposure to water, eg. in the performance of waterproofing or high status of the groundwater.

Storage

Keep in an upright position. Store in temperatures between 5°C to 30°C. Keep in a dry, cool, and well-ventilated place away from direct sunlight, other heat sources, and ignition.

Packaging

750ml Can

Safety Measures

Wear suitable chemical-resistant protective gloves and clothing to avoid contact with skin (If in contact with skin, take off contaminated shoes and clothing and wash off with soap and water.)

In case of splash risk, wear tightly fitting eye protection (In case of contact with eyes, remove the contact lens, wash eyes with eyelids open for several minutes under running water and seek medical advice if in doubt.)

Detailed guidelines are included in the safety data sheet.

Technical Specification Cont.

Total Curing Time

24 hours

Can Temperature

20°C (Optimal)

Working temperature

From -5°C - 30°C

Shelf Life

12 months (in correct storage conditions)

