

# EWI-210 EPS Adhesive

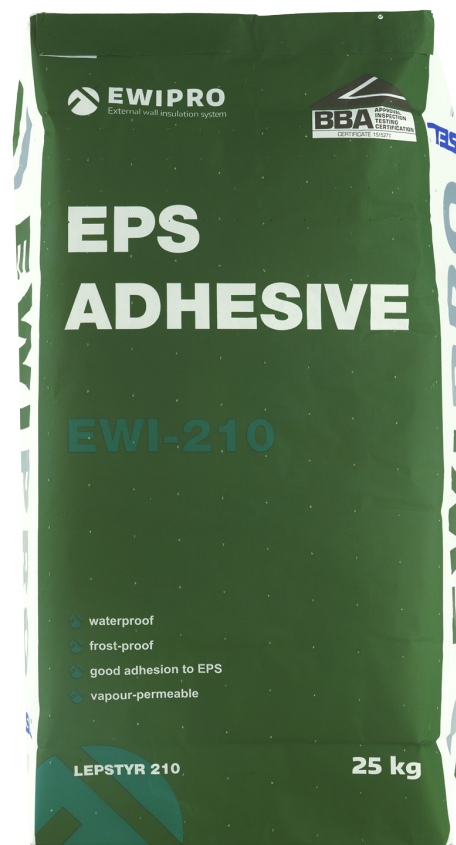
EPS Adhesive is a cement based adhesive, manufactured from a mixture of Portland cement, texturing aggregate, mineral fillers and hydrated lime. This bedding adhesive is used to stick the EPS boards to the substrate and is suitable for application all year round.

The EPS Adhesive is highly durable, quick drying and has excellent frost resistance properties. EPS Adhesive should be stored correctly to ensure the product performs consistently throughout the application process.

The product also contains reinforcing fibres which provide additional strength and flexibility.

## Intended Uses.

EPS Adhesive is used to adhere EPS boards to prepared substrates. The underlying masonry substrate should be clean, free from paint, dust and any vegetation build-up.



## Technical Specification

### Composition

mineral binding agents, mineral fillers, modifying additives

### Bulk density (dry mixture)

about 1.40 g/cm<sup>3</sup>

### Adhesion to concrete (air-dry)

≥ 0.3 MPa

### Adhesion to polystyrene

≥ 0.08 MPa  
(rupture in thermal insulation material)

### Soluble chromium (VI) concentration

≤ 0.0002%

## Compliance with Standards

PN-C-81913:1998 Dispersion paints for facade painting.

European Technical Approvals ETA – 15/0576 and ETA – 15/0575

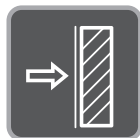
BBA Approval Inspection Testing Certificate 18/5503



WATER  
RESISTANT



FROST  
RESISTANT



GOOD  
ADHESION TO EPS



VAPOUR  
PERMEABILITY

# Directions for use.

## Substrate Preparation

Ensure the surface is clean and free from any debris. For uneven surfaces consider using the EWI-260 Levelling Mortar, which can be applied up to 50mm of thickness to level out the substrate.

If the surface is dusty prior to starting the installation process, then consider using a jet wash first before coating the surface with the EWI-301 Substrate Primer.

For painted surfaces, check for structural stability first then consider using EWI-310 Universal Primer, which will create an abrasive surface ready for the bedding adhesive and the EPS insulation to key onto.

## Product Preparation

EWI-210 EPS Basecoat adhesive should be mixed with clean water at a ratio of 6 litres per 25kg bag. The adhesive should be mixed using a heavy-duty power plaster mixer on a slow rotating setting. Freshly mixed adhesive should be left for approximately 5-10 minutes and then re-mixed for a short period of time before use. Bucket life is approximately 1 hour, although this is dependent upon the weather conditions.

## Application

We recommend applying the adhesive onto the EPS insulation boards using a modified 'Dot and Dab' method. The EPS adhesive needs to be applied to the perimeter of the EPS board and 3 large dabs should be applied in the centre of the board.

Using a trowel, apply the adhesive evenly around the edges of polystyrene (3-4cm wide track) and inside that area, Dot and Dab adhesive spots (approximately 3 of them). In general, EPS adhesive should cover no less than 40% of the surface of the insulation sheet.

It is also perfectly acceptable to use a notched trowel to apply a layer of the adhesive to the entirety of the EPS board, and this is the preference if the wall is flat.

The amount of adhesive used by either of these methods should be approximately the same - each 25kg bag should be able to mount approximately 5m<sup>2</sup> of boards to the substrate - although this does vary depending upon the quality of the surface on which the boards are being mounted (a flat wall will use less - an undulating wall will use more).

## Application Conditions

### Substrate primer

EWI-310

### Application and setting temperature

(air, substrate, materials):

from +5°C to +25°C

### Water mix proportions

approx. 6.0-6.3 l of water per 25 kg of dry mix

### Time to use after mixing with water

about 2 hours (temperature +20°C and air humidity approx. 60%)

### Quantity to be used

approx. 4-5 kg/m<sup>2</sup>

## Packaging

25 kg bag.

## Storage

Shelf life: up to 12 months from the date of manufacture.  
Keep dry and in the original undamaged packaging.

## Safety Measures

The product will become alkaline after mixing with water, therefore it is imperative to avoid contact with skin. Wear eye protection. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## Clean-up

Wash tools immediately with clean water.