

EWI-222P

PERFORMANCE BASECOAT

EWI-222P Performance Basecoat is a polymer-rich cementitious basecoat that can be used on many different substrates, providing a breathable and waterproof protective coat. EWI-222P can be used in render-only projects as well as on different insulation materials, including EPS where it doubles as an adhesive and basecoat. The versatility of the basecoat, including low temperature application and trowel or spray application make it highly desirable.



Intended Uses.

Performance Basecoat should be installed along with the Fibreglass Mesh on top of EPS insulation boards to provide a reinforcement layer. The underlying insulation should be level without any gaps or external debris that could compromise the quality of the reinforcement installation process. Always use the EWI-310 Universal Primer to prime the surface of the substrate before using it as adhesive for insulation boards.

Technical Specification

Dry bulk density

0.5mm

Reaction to fire

C1.7 kg/m²/mm

Compressive strength

up to 5 mm

Adhesion

Water dispersion of acrylic polymer, mineral fillers, modifying supplements.

Capillary water absorption

Water dispersion of acrylic polymer, mineral fillers, modifying supplements.

Water vapour permeability coefficient

$\mu \leq 15/35$

Thermal conductivity

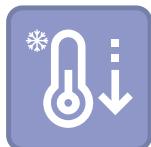
(λ 10, dry) 0.61 W/mK (tab.mean value; P = 50%)



Water Repellent



Highly Vapour Permeable



Low Temperature Application



High Adhesion



Trowel or Spray Application



Sponge Float or Brush Finish

Directions for use.

Substrate Preparation

All surfaces should be clean, dry, and free from any material which may impair adhesion. Scaffolding must be independently tied to allow for uninterrupted application. Any faults in the structure, particularly those that may lead to moisture penetration must be rectified, potentially using EWI-260 Levelling Mortar. Mask around the areas where the material is to be applied. Masking tape must be removed before the material has dried out. Beads and expansion joints should be included as required by both the substrate and the British Standards and carried through all applied materials. Do not apply to shiny surfaces.
Product Preparation

Product Preparation

EWI-222P Basecoat should be mixed with clean water at a rate of approximately 4.5-5 litres per 25kg bag using a suitable paddle or pan mixer. Mix the product for 2 minutes, allow it to stand for 2 mins and then re-mix. This process allows the additives to dissolve and activate. NOTE: EWI-222P basecoat may stiffen on standing. Re-mix the product to regain a workable consistency - but do not add any more water.

Application

When applying to concrete block, clay, lightweight block or brick, prime the surface with EW-310 Universal Primer. To avoid dampness and discolouration, the basecoat should not be below the DPC or within 150mm of ground level. The first pass should be applied to the primed substrate with a stainless steel trowel or spray pump, to a depth of 3-4mm (insulated substrate) and 5mm (masonry substrate). Fibreglass mesh should be embedded within the first pass and ensure that the mesh is overlapped 100mm at the mesh joints. Additional fibre-reinforcing mesh stress patches of 500 x 500mm should be added at all openings i.e. windows, doors and all window reveals for additional substrate stress protection. The second pass should then be applied to approx. 3mm thick (insulated substrate) or 5mm (masonry substrate). The basecoat should be finished off with a notched trowel or sponge float depending on the selected finish. When using EWI Pro Performance Basecoat as a bedding adhesive for insulation, apply the adhesive to the back of the insulation board using an appropriate trowel. For uneven substrates, we recommend applying the adhesive to the perimeter of the insulation board with 3 additional dabs across the middle of the board. For flat substrates, you can apply the adhesive to the entirety of the insulation board using a notched trowel. The total thickness of the performance basecoat should be 6mm (insulated substrate) or 10mm (masonry substrate).

Clean-up

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

Compliance with Standards

Storage

12 months when stored unopened in a dry environment above 5°C

Packaging

25kg Bag

Safety Measures

Wear protective goggles, gloves, respiratory equipment and protective clothing when mixing and using this product. Avoid contact with the eyes. In the event of eye contact, wash the affected area with plenty of cold water as soon as possible and seek medical attention. Do not ingest. Keep out of reach of children. Refer to material safety sheet for further information regarding first aid and protection recommendations. Contact with wet cement may cause irritation, dermatitis or burns. For further details, refer to our Health & Safety Data Sheets

Application Conditions

Substrate primer

EWI-310 Universal Primer

Application and setting temperature

3°C to 25°C

Water mix proportions

Approx 4.5-5 l of water per 25kg of dry mix

Time to use after mixing with water

Humidity level

<95%

Total thickness

6mm or 10mm