

DRYHESIVE PLUS

Polymer modified cementitious adhesive for bonding Dryvit EPS



DS.EN.04.50.01



PRODUCT DESCRIPTION

Dryhesive Plus is a ready to use polymer modified cementitious powder requiring only the site addition of potable water to produce a high performance adhesive for direct fix of Dryvit Square Edge Expanded Polystyrene (EPS) insulation boards to a wide variety of substrates. The product has been formulated to have excellent workability and open time properties.

FEATURES & BENEFITS

FEATURE	BENEFIT
• Polymer modified	Excellent adhesion to substrates and EPS
• One part product	Just add water and mix
• Special filler blend	Excellent application properties

TYPICAL SUBSTRATES

- Concrete
- Brick
- Block work or aerated autoclaved concrete

USES

As an adhesive for bonding both Dryvit Standard and LL Square Edge EPS insulation boards to concrete, masonry and sheathing board substrates as part of the Dryvit Drysulation system.

PACKAGING

25 kg moisture resistant bags.

COVERAGE

2.5-4.5 kg/m² for adhering boards to achieve a minimum 40% contact between the substrate and EPS insulation (7 to 12 m² per bag).

5.0-5.5 kg/m² for adhesion of lamella fire barriers (5.5-6.0 m² per bag).

Note: The actual coverage largely depends on the type of surface, its preparation and flatness, the method of application and the experience of the contractor



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SUBSTRATE PREPARATION

The substrate surface should be smooth, clean, dry, well bonded and free from deposits, efflorescence, greasy spots or other contaminants that could impede application. On porous or friable substrates, Stongsil or Primax primer is applied in accordance with the relevant product data sheet.

MIXING

Carefully measure 5.5 – 6.0 litres of water into a plastic bucket for one 25 kg bag of Dryhesive Plus. Slowly add powder and using a slow speed drill (400–500 rpm) and paddle mix for 5 minutes until homogeneous. Allow to stand for 5 minutes then re-mix. Note: The adhesive may stiffen on standing. Re-mix the product to regain a workable consistency, but do not add more water.

APPLICATION CONDITIONS

At the time of application and during the next 24 hours, air and substrate temperature may not drop below +5°C. The Dryhesive Plus adhesive coat should be protected against water during this time. Avoid work in direct sunlight and windy conditions.

APPLICATION METHOD

Apply Dryhesive Plus to the back of the EPS insulation board, not to the substrate. The Ribbon and Dab method is usual for fixing insulation to solid substrates with a ribbon around the entire perimeter and eight dabs placed on the interior area of the insulation board. The Notched Trowel method is usual for fixing insulation to flat substrates and is created using a notched trowel to form adhesive beads running vertically when the insulation board is placed on the wall.

Position the board horizontally on the substrate and press the board gently to the substrate and slide it into position. Apply firm pressure over the entire surface of the insulation board to ensure uniform contact and high initial grab. Using a margin trowel, clean the insulation board edges of any Dryhesive Plus mixture. Ensure that the insulation board joints are butted tightly and are level and flush. Once the insulation board and Detail mesh are in place, wait a minimum of 24 hours prior to working on the surface of the insulation board to prevent any movement which may weaken the bond of the adhesive mixture to the substrate.

For more details refer to Drysulation System 30 or 60 year Application Instructions.

Lamella Stone Wool fire barriers must be cut and constructed from Dryvit Stone Wool HD Slab and be a minimum 100 mm high x total thickness of external wall insulation. Dryhesive Plus shall be applied in a continuous coat to the lamella face of the barrier and installed with firm pressure to the substrate to ensure there are no gaps between the barrier and substrate.

DRYING TIME

Prior to rasping EPS and application of the base coat and mesh leave approx. 24 h, at +20°C and 55% relative humidity. At lower temperatures and higher relative humidity the drying time may be longer.

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STORAGE

Stored in sealed original packaging, in dry conditions at temperatures between 4°C and 38°C, the product has a maximum shelf life of 12 months from the date of production. The packing should be stored and protected from damage, adverse weather and moisture.

CAUTION AND LIMITATIONS

Apply in dry conditions. At time of application and for the following 24 hours air and substrate temperatures must not drop below +5°C or rise above +30°C. The product must be protected against direct sun and windy conditions so sheeting the façade or the scaffold is advised to achieve this. Surrounding windows and window cills etc must be properly protected during application and early curing.

CLEANING

All equipment must be washed with clean water immediately after use. Disposal must be in accordance with local and national legislation and must not be emptied into drainage systems.

HEALTH AND SAFETY

Refer to the Drysulation System 30 and 60 year Pro Application Instructions and the product Safety Data Sheet.

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