

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 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, no mechanical fastening needed
• One part product	Just add water and mix
• Special filler blend	Excellent application properties

TYPICAL SUBSTRATES

- Concrete
- Brick
- Lightweight block or aerated autoclaved concrete
- Light weight steel or timber framed structures using appropriate sheathing boards
- Sheathing boards – cement particle board, cement fibre, exterior gypsum, calcium silicate, magnesium oxide

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

3.5-4.0 kg/m².

1 bag of Dryhesive Plus is sufficient to bond approximately 6-7m² of EPS boards.

Note: The actual yield per bag will depend on the consistency of material mix, application thickness and the nature of possible substrates.

SPECIFICATION

Specification clauses relating to this product can be found in NBS sections M21 Insulation with Rendered Finish. Please consult Dryvit UK Ltd.

dryvit

DRYHESIVE™ PLUS

Polymer modified cementitious adhesive for bonding Dryvit EPS

SUBSTRATE PREPARATION

Surfaces must not be below 5°C (40°F) or painted and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds.

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. The adhesive may stiffen on standing. Re-mix the product to regain a workable consistency, but DO NOT add more water.

APPLICATION METHOD

If back wrapping at system terminations has been specified a ribbon of Dryhesive Plus shall be applied to the substrate and Detail mesh embedded into the wet mixture so that at least 65 mm extends onto the insulation board. Keep the mesh which is not to be embedded clean.

Apply Dryhesive Plus to the back of the square edge 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 sheathing board and 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. **CAUTION: Do not allow Dryhesive Plus to remain in board joints since material in board joints can result in cracking.** 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.

Fire barriers must be constructed of Dryvit mineral wool HD 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. Drying time at lower temperatures or higher relative humidity, in particular during autumn and winter months, may be significantly longer.

DS.EN.04.50.01

STORAGE

When stored in a dry place at temperatures above +5°C, shelf life is 6 months from the date of manufacture. Protect against moisture and direct sunlight.

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, 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

Dryhesive Plus contains cement powders that when mixed with water or become damp release alkalis that can irritate the skin and eyes. Dust is harmful by inhalation.

Wear suitable protective clothing, eye protection and dust mask. The use of barrier creams provides additional skin protection. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water.

DISPOSAL

Dryhesive Plus is not listed as dangerous waste, but must be disposed of in accordance with local and national legislation. The European waste code for Dryhesive Plus is 10 13 11. Fully cured material is not considered as hazardous waste.

FIRE

Dryhesive Plus is non-flammable.

FURTHER INFORMATION

Refer to Drysulation Application Instructions and the product Safety Data Sheet.

Dryvit UK Ltd
Unit 4 Wren Park
Hitchin Road
Sheffield
Bedfordshire
SG17 5JD
01462 819555
Email: ukenquiries@dryvit.com
www.dryvit.co.uk

Information contained in this product data sheet conforms to the standard detail recommendations and specifications for the installation of Dryvit UK Ltd. products as of the date of publication of this document and is presented in good faith. Dryvit UK Ltd. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact Dryvit UK Ltd.

Manufacturing location: Dryvit Systems USA (Europe) krze Duze7; 96-325 Radziejowice, Poland.

