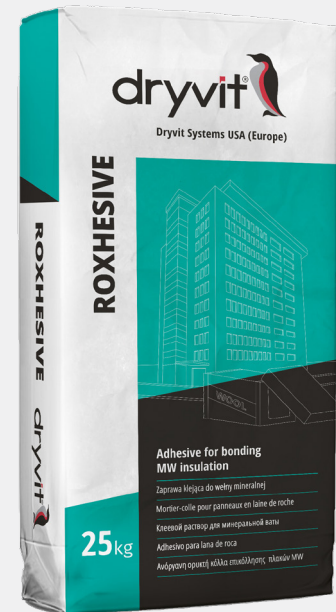


# ROXHESIVE

Polymer modified cementitious adhesive for bonding Dryvit Stone Wool insulation



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## PRODUCT DESCRIPTION

Roxhesive is a ready to use polymer modified cementitious powder only requiring the site addition of potable water to produce a high performance adhesive for fixing Dryvit Stone Wool 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 stone wool
• One part product	Just add water and mix
• Special filler blend	Excellent application properties

## TYPICAL SUBSTRATES

- Concrete including, exposed and pre-cast panels and No Fines concrete
- Brick
- Lightweight block or aerated autoclaved concrete
- Lightweight 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 Dryvit Dual Density Stone Wall slab and Dryvit Lamella Stone Wall boards to concrete, masonry and sheathing board substrates as part of Dryvit Roxsulation® Pro system.

## PACKAGING

25 kg moisture resistant bags.

## COVERAGE

2.5-4.5 kg/m<sup>2</sup> for adhering boards to achieve a minimum 40% contact between the substrate and Dual Density Stone Wool insulation (7 to 12 m<sup>2</sup> per bag).

5.0-5.5 kg/m<sup>2</sup> for adhesion of lamella board (5.5-6.0 m<sup>2</sup> 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 Dryvit Roxhesive. Slowly add powder and using a slow speed drill (400–500 rpm) and paddle mix for 5 minutes until homogenous. 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 Roxhesive adhesive coat should be protected against water during this time. Avoid work in direct sunlight and windy conditions.

### APPLICATION METHOD

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

Apply Roxhesive to the back of the Stone Wool 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 Roxhesive 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 Roxsulation Pro Application Instructions

### DRYING TIME

Approx. 24 hours at a temperature of +20°C and relative humidity of 55%. At lower temperatures and a higher relative humidity of the substrate, 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 Roxsulation Pro Application Instructions and the product Safety Data Sheet

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