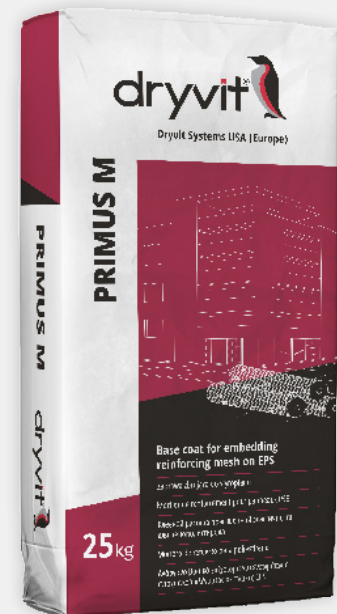


# PRIMUS M

Polymer modified cementitious base coat for embedding Dryvit reinforcing mesh



DS.EN.04.50.02



## PRODUCT DESCRIPTION

Primus M is a ready to use polymer modified cementitious powder requiring the site addition of potable water to produce a high performance base coat for embedment of reinforcing mesh in the Dryvit Drysulation system. The product has been formulated to have excellent workability and open time properties and is available in grey and white cement versions.

## FEATURES & BENEFITS

FEATURE	BENEFIT
• Polymer modified	Excellent adhesion to EPS
• Hydrophobic additives	No primer required
• One part product	Just measure water, add and mix
• Special filler blend	Excellent trowelling properties

## TYPICAL SUBSTRATES

- Dryvit Standard EPS (White)
- Dryvit LL EPS (Grey)

## USES

As a base coat for the embedment of reinforcing mesh on Dryvit Standard and LL Square Edge EPS insulation as part of the Dryvit Drysulation system.

## PACKAGING

25 kg moisture resistant bags.

## COLOUR

Available in grey and white.

## COVERAGE

2.5-4.5 kg/m<sup>2</sup> for embedding Standard Plus meshes (7 to 12 m<sup>2</sup> per bag).  
6.0-8.0 kg/m<sup>2</sup> for embedding of Panzer 500 and Standard Plus 150 mesh (3.75 to 5 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

Prior to starting reinforcing mesh embedment, the surface of the EPS boards shall be inspected for surface degradation (discolouration) due to weathering and flatness using a minimum 2.4 m straight edge. Rasp any visible discolouration, irregularities or out-of-plane board joints to provide a uniform and smooth surface. All EPS dust and loose beads shall be removed prior to base coat application.

### MIXING

Carefully measure 5.5 – 6.0 litres of water into a plastic bucket for one 25 kg bag of Dryvit Primus M. 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 base coat may stiffen on standing. Re-mix the product to regain a workable consistency, but DO NOT add more water. The workability time is 1-2 hours depending on weather conditions.

### APPLICATION METHOD

#### Standard Plus and Intermediate 370 Meshes

Using a stainless steel trowel, apply the mixed Primus M on the entire surface of the insulation board to an area slightly larger than the width and length of a piece of reinforcing mesh, in a uniform thickness of 1.5 mm. The reinforcing mesh may be installed either vertically or horizontally. Immediately place the reinforcing mesh against the wet Primus M mixture and with the curve of the mesh against the wall, trowel from the centre to the edges avoiding wrinkles, until the mesh is fully embedded and not visible. Trowel smooth to a uniform thickness slightly more than the thickness of the reinforcing mesh. Allow this layer to take up until firm to the touch and then trowel a second tight coat over the first to fully cover the reinforcing mesh. The result should be such that the reinforcing mesh is approximately centered within the base coat thickness. Do not allow the first pass to completely dry prior to the second pass application or an excessive amount of Primus M will be necessary to fully coat the wall surface.

The reinforcing mesh shall be continuous at corners and mesh edges over lapped not less than 100 mm or 65 mm when overlapping with the back wrap mesh. Do not lap the reinforcing mesh within 200 mm of a corner.

#### Panzer meshes

Using a stainless steel trowel, apply the mixed Primus M on the entire surface of the insulation board to an area slightly larger than the width and length of a piece of reinforcing mesh, in a uniform thickness of 3.0 mm. Immediately place the reinforcing mesh against the wet Primus M mixture and with the curve of the mesh against the wall, trowel from the centre to the edges avoiding wrinkles, until the mesh is fully embedded and not visible. Continue in the same manner until the entire area requiring Panzer mesh is covered. Caution: Adjacent pieces are to be tightly butted, do not lap the Panzer mesh. Allow the Panzer base coat to cure a minimum of 24 hours prior to applying Dryvit's Standard Plus reinforcing mesh, see application instructions above.

### DRYING TIME

Prior to finish application 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.

### STORAGE

Store in sealed original packaging, in dry conditions at temperatures between 4°C and 38°C, for a maximum of 12 months from the production date indicated on the packaging. Protect the packaging against damages and direct impact of the atmospheric conditions 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, window cills, etc. must be properly protected during application and early curing.

In common with all cementitious based materials, in cool damp or high humidity conditions surface efflorescence can occur which requires removal before applying primers or finish. Special care should be taken when applying Primus M white in conditions likely to promote efflorescence as it too is white and not readily visible. Refer to the latest Dryvit Technical Note on Winter working - Efflorescence for information on detection and removal.

### 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 Application Instructions and the product Safety Data Sheet (SDS) available at [www.dryvit.co.uk](http://www.dryvit.co.uk).

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