

Product Data Sheet: Prepbond WP

9/09/2014

Lime green Prepbond WP is a specific undercoat for woodfibre insulation boards and other lightweight insulation backgrounds. Prepbond WP is made from Natural Hydraulic Lime (NHL), natural and recycled aggregates, and additives.



General Information

Prepbond WP is designed as an undercoat for woodfibre and other similar insulation boards. It is part of a multi-coat system; our dedicated Fibre Mesh 660 and Finish WP are also needed as part of the system (see separate data sheets).

Prepbond WP has special properties to ensure the correct bond, impact resistance, vapour permeability and protection against weather are achieved..

Packaging

Available in 18kg bags. It has a shelf life of 6 to 12 months.

Coverage

One 18kg bag will cover approximately 1.5m² at 10mm thick on a flat background. Over 1m² each mm of thickness will require 1.2kg of Prepbond WP. This does not include any allowance for wastage. N.B Mixing time, method and water addition will affect this figure..

Surface Preparation

Site planning must be addressed before starting work.

Use independently tied scaffolding and mask off critical features. Faults within the substrate construction must be corrected. Ensure all board surfaces are suitably fixed, with tidy fitted edges and misses suitably filled. Board surfaces must be dry and free of any material that may impair adhesion. All feature work such as bands, quoins etc must be done before starting the main elevation. Full system or board mounted beading for arises, feature stops etc. must be securely fixed, whilst also acting as a continuous weatherproof frame at the sides, top and bottom of the elevation.

Attention should be given to the correct water detailing to ensure an adequate drip from the bottom bead. Movement joints / beading in the substrate must be carried through all applied materials in accordance with the design instructions for the substrate choice. Consultation should be sought from the substrate designer for the position and spacing of movement joints and is not the responsibility of Lime Green.

How to Mix

Prepbond WP should be mixed either with a suitable render spray machine or drill and whisk with 5-6 litres of clean water. The mixing time should ensure the product is thoroughly consistent without lumps of unmixed material. Typical mixing time is between 5-10 minutes. Once the mixing practice is established it must remain consistent across the elevation or during one days work.

How to Apply

Apply to a typical thickness of 10mm and work within temperatures above 5°C and below 30°C. Do not re-work the mix if it has dried out, working time is 2 hours.

Apply Prepbond WP directly onto insulation boards in 2 passes. Into the first pass embed Lime Green Fibre Mesh 660 over the whole area, overlapping the joins by 100mm. Apply second coat immediately to final thickness. Thoroughly scratch in a horizontal direction no deeper than 3mm, using a render comb to produce a key.

After 2 to 4 days, once the first coat has stiffened and hardened, but is still 'green', the final coat of Finish WP may be applied.

For coating with Silicate mineral finish float Prepbond WP with a sponge, plastic or wooden float to achieve the desired finish after at least ten days of drying.

Curing and Why

The prevention of drying out too quickly is the key to the success of the application. Lightly spray the base coat if it is too hot or drying out too quickly. In addition, protect from harsh weather conditions, for example, frosts, rain and direct sunlight. The use of a damp hessian, fixed to the wall can slow down the drying out process and provide protection from adverse weather conditions.

Performance

Product Type		
Compressive strength N/mm ² 28 days	CS11	EN998-1
Capillary water absorption	<0.5kg/m ² 24hrs	Etag 004
Thermal Conductivity w/m.K p=50%	0.27	EN1745
Thermal Conductivity w/m.K p=90%	0.30	EN1745
Water vapour diffusion coefficient	μ 5	Etag 004

Health and Safety	
Risk Phrases	Safety Phrases
R36/37/38 Irritating to eyes, respiratory system and skin	S22 Do not breathe dust
R66 Repeated exposure may cause skin dryness or cracking	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S24/25 Avoid contact with skin and eyes
	S36 Wear suitable protective clothing

This is not a specification. Trials should be undertaken on old surfaces & backgrounds to ensure compatibility.