

### Prepbond WP

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**Lime green Prepbond WP is a special bonding coat for insulation boards, such as wood fibre insulation. Made from Natural Hydraulic Lime (NHL), natural aggregates and recycled aggregates.**

#### General Information

**Prepbond WP** is designed to provide the first coat on insulation boards. It works as part of a multicoat system; our dedicated Fibre Mesh 910 and Finish WP are also required as part of this system.

Its special properties ensure the correct bond, impact resistance, vapour permeability and protection against weather are provided. This means the insulation is kept dry and moisture is allowed to escape.

#### Availability

25 kg paper sacks, 40 per pallet. Batch code on side of bag.

#### Coverage

Approx 1.0kg per mm of thickness over 1m<sup>2</sup>. One 25kg bag will cover approximately 2.5m<sup>2</sup> at 10mm thick. This does not include any allowance for wastage.

#### Surface Preparation

Site planning must be addressed before commencing work; independently tied scaffolding, masking off of critical features and faults within 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 attended to first before the main elevation commences. 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 is to be reflected 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.

#### Mixing

Prepbond WP should be mixed using either 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 a days working.

#### Application Guidelines

**Typical Thickness:** 10mm

**Temperatures:** above 5°C and below 30°C. Refer to separate technical note for further advice including severe winter and summer working.

**Reworking:** 2 hours. Do not re-work if the mix has dried out.

Apply "**Prepbond WP**" directly onto insulation boards in 2 passes in accordance with best practice guidelines detailed in BS EN 13914-1: 2005 using competent persons.

Into the first pass embed Lime green Fibre Mesh 910 over the whole area, overlapping the joins by 100mm. Apply second coat immediately to final thickness.

## Product Data

Thoroughly scratch in a horizontal direction no deeper than 3mm, using a render comb to produce a key.

### **Curing**

Prevent from drying out too rapidly.

Lightly spray each coat with water if it is hot or the product is drying too quickly.

Protect from adverse conditions such as frost, rain etc. until fully set.

### **Further Coats**

Lime green **Finish WP** after 2 to 4 days, once the coat has stiffened / hardened, but is still 'green'.

### **Health and safety**

#### **Risk Phrases**

R36/37/38 Irritating to eyes, respiratory system and skin

R66 Repeated exposure may cause skin dryness or cracking

#### **Safety phrases**

S22 Do not breathe dust

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

Test	Result	Standard info
Water Vapour Perm. Coefficient ( $\mu$ )		
Flexural Strength @ 28 days $M/mm^2$	1.0	EN1015-11
Compressive strength @ 28 days $N/mm^2$	CS11	EN1015-11
Adhesive Strength $N/mm^2$ on concrete	0.26	EN1015-12
Bulk Density (Dry) $kg/dm^3$	1	EN1015-10
Shrinkage @ 28 days $mm/m$	0.8%	EN13872
Thermal Conductivity $w/m.K$	0.27	Tabulated
Capillary water absorption	W0	EN1015-18

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