

# Product Data Sheet: Ultra

9/09/2014

Lime Green Ultra is a thermally insulating lime basecoat for rendering and plastering.

## General Information

Ultra is made using modern manufacturing techniques, its formulation is based on traditional Natural Hydraulic Lime and light-weight mineral aggregates to make a product unique in the marketplace. Key benefits include:

- Reduced heat loss through the wall;
- Enhanced resistance to salts;
- Fibre reinforced;
- Highly breathable;
- Builds out in thick layers;
- Mineral ingredients are guaranteed never to rot.

## Packaging

Available in 15 litre bags, 96 to a pallet. For handling purposes, assume 10kg per bag.

## Coverage

1 litre per mm of thickness over 1m<sup>2</sup>.

One bag will cover:

1.5m<sup>2</sup> at 10mm thick

1m<sup>2</sup> at 15mm thick

0.6m<sup>2</sup> at 25mm thick

## Surface Preparation

Remove dust, surface contaminants and loose or friable coatings. Apply Beeks Fungicide if necessary. On dense, smooth masonry backgrounds or high suction backgrounds apply Lime Green Natural Stipple for improved bond. Other primers are available for difficult substrates - contact us for further details.

## How to Mix

Ultra can be mixed using a drum mixer, or in a tub using a plasterer's paddle mixer. Mix with approximately 4 to 4.5 litres of clean water per bag; do not add anything else. Use eye protection and dust masks and avoid creating excessive dust.

## How to Apply

Only use Ultra above 5°C and below 30°C. Ultra should be applied to a straight, flat, dampened surface in a uniform thickness of between 10 and 30mm, make sure this coat is keyed. After 2 to 7 days and the coat has stiffened/hardened, but is still 'green' more coats may be added. Make sure that curing is carried out between each coat (see below).

Careful consideration must be given to detailing of areas such as cills and drips, especially on sites exposed to high levels of wind and rain. We recommend the use of a reinforcement mesh (Lime Green 910 mesh) to be applied to the final coat of Ultra when Ultra is used externally.

Each section of mesh should overlap the next by 100mm.

For application to lath, please refer to Lime Green.



## Curing

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

## Finishing Coats

Suitable finishing coats are Lime Green Natural Finish, Lime Green Solo or Fine Stuff, applied once the Ultra has set. Finishing coats should be applied in a uniform 3 to 6 mm thick layer with a trowel.

## Performance

| Test  | Result   | Standard Info |
|---|----------|---------------|
| Compressive strength @ 28 days N/mm <sup>2</sup>  | >1 (CSI) | EN 1015       |
| Compressive strength @ 90 days N/mm <sup>2</sup>  | >2       |               |
| Capillary water absorption kg/m <sup>2</sup> .min | WI       | EN 1015       |
| Bulk Density (Dry) grams / litre                  | 700      | EN 1015       |
| Thermal Conductivity w/m.K                        | 0.18     | EN 1745       |

| 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. Lime plasters do not set or perform like gypsum or cement based materials