



# THE LIME CENTRE

The Lime Centre Ltd, Hazeley Road, Morestead, Winchester, Hampshire SO21 1LZ  
Tel: 01962 713636 | info@thelimecentre.co.uk | www.thelimecentre.co.uk

## Product Name: Ultra

- Ultra is a thermally insulating lime basecoat for rendering and plastering.
- Lime Green Ultra is made with natural hydraulic lime and light weight mineral aggregates.
- Finished externally with a top coat of Natural Finish available in a range of colours or internally with Solo lime plaster.
- Ideal for historic buildings.

### Packaging

15 litre bags, 80no. per pallet.

For handling purposes assume 10kg per bag.

### Coverage

One bag will cover:

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

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

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

### Surface Preparation

Remove dust, surface contaminants and loose or friable existing render/plaster. Where necessary consolidate or dub out any deep holes with Duro and key.

Ensure masonry is not water proofed or painted, do not apply PVA. Dampen the surface with a mist spray in sufficient quantity to reduce excess suction.

### Mixing/Water Addition

Add the whole bag of Ultra into a drum or forced action mixer, carefully avoiding creating excessive dust. Add 4-5 litres of clean water to each 15L sack. Mix for up to 10 minutes in a mixer, or use a mechanical whisk for 2-3 minutes, stand for 10 minutes, then mix once more before application. Do not add anything other than clean water.

### Application

Applied in coats to a total depth of 30mm on to a prepared background. Each coat must be scratched to give a good mechanical key before further coats are applied. Dampen down the surface prior to coating. A second Ultra coat maybe applied after the previous has

adequately cured, usually 2-4 days. Key the final coat of Ultra whilst still green with a nail or devil float before applying the finish coat of Natural Finish render or Solo lime plaster.

**Temperatures:** above 5°C and below 30°C.

**Reworking:** avoid re-working.

**Further coats:** after 2 to 7 days, once the coat has stiffened/ hardened, but is still 'green'.

### Curing

Prevent all coats from drying out too rapidly. Lightly spray each coat with water if it is hot or the product is drying out too quickly.

Protect from adverse conditions such as frost, rain, etc.

Adequate curing of a final decorative coat should be more stringent, ideally using a fully sheeted scaffold when outside.

### Finish Coat

Finish externally with 4mm of Natural Finish available in a range of colours or internally with 3mm of Solo lime plaster.

### Performance Data

Test	Result	Standard
Compressive strength @ 28 days N/mm <sup>2</sup>	>1 (CSI)	EN1015
Compressive strength @ 90 days N/mm <sup>2</sup>	>2	
Capillary water absorption kg/m.min <sup>2</sup>	W1	EN1015
Bulk Density (Dry) grams	700	EN1015
Vapour Permeability	<15	EN1015
Thermal Conductivity w/m.K (Tab.)	0.18	En1745
Thermal Conductivity w/m.K (actual)	0.18	En 1745



# THE LIME CENTRE

The Lime Centre Ltd, Hazeley Road, Morestead, Winchester, Hampshire SO21 1LZ  
Tel: 01962 713636 | info@thelimecentre.co.uk | www.thelimecentre.co.uk

## Safety Data

### Hazard Statements:

- Causes skin irritation.
- Causes serious eye damage.
- May cause respiratory irritation.

### Precautionary Statements:

- Keep out of reach of children.
- Wear protective gloves/protective clothing/eye protection/ face protection.
- In case of contact with eyes, rinse carefully with clean water for several minutes. In relevant cases, take out contact lenses if possible. Seek professional assistance for a Doctor (Hospital).
- If in contact with skin wash abundantly with soap and water.
- Avoid breathing dust/spray.
- If inhaled remove person to fresh air and keep at rest in a position comfortable for breathing.
- Dispose of contents via conventional waste management facilities. Before disposal NHL lime should be made inert by wetting to induce hardening and bags should be completely emptied

### Control Measures:

- Corrosive to brass and aluminium.
- Keep away from strong oxidising agents.
- Prevent alkaline run off from entering storm drains.



### Lime Green Products Ltd

Coates Kilns, Stretton Road, Much Wenlock, TF13 6DG

### EN 998-1

Prescribed General Purpose (GP) Render and Plaster for internal and external use.

## Typical U values

### U Value w/ m<sup>2</sup>K

	35mm Standard Lime Plaster	35mm Ultra & 3mm Solo
215 Brick wall	1.73	1.10
330 Brick wall	1.28	0.90

(Thermal Conductivity W/mk ULTRA = 0.76)