



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: Duro

- A premixed lime render and lime plaster base coat.
- Finished externally with a topcoat of Lux available in a range of colours or internally with Solo lime plaster.
- Lime Green Duro is a breathable product made with natural hydraulic lime.
- Ideal for historic buildings.

Packaging

25kg sacks. Store in a cool dry place and use within 8 months.

Yield/Coverage

A 25kg bag will cover approx. 1m² at 15mm thick. This does not include any allowance for wastage.

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 waterproofed 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 pre-mix into drum mixer carefully avoiding creating excessive dust. Add 4-5 litres of clean water to each 25kg 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 one coat of 15mm on straight walls in unexposed locations. Applied in two coats up to 20mm for uneven walls or exposed locations.

Reinforcement should be used on backgrounds that may move, eg all corners of openings, or at junctions of dissimilar materials, in some cases the whole surface is meshed.

Fibre mesh (9mm x 10mm) is embedded into the first basecoat by applying in 2 passes with the mesh trowelled in between passes. Fibre mesh overlaps at no less than 100mm. The mesh can be doubled up at corners, around openings with pieces being trowelled with plaster against the surface before application of the basecoat and further mesh.

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 Duro coat maybe applied after the previous has adequately cured, usually 2-4 days. Ensure it is thinner than the first. Key the final coat of Duro whilst still green with a nail or devil float before applying the topcoat of Natural Finish or Solo lime plaster.

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

Reworking: up to 8 hours.

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.

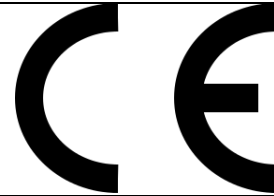


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Performance Data

Test	Result	Standard
Water Vapour Perm. Coefficient (u)	5/20	EN1745
Compressive strength @28 days N/mm ²	CSII	EN 1015-11
Capillary water absorption kg/m ² min	WO	EN 1015-18
Fire class Euroclass	A1	EN13501-1
Bulk Density (Dry) grams / litre	1600	EN1015-10
Thermal Conductivity w/m.K	0.54	EN1745
Soluble salts content	< 0.15%	
Modulus of elasticity @ 28 days Mpa	9000	



Lime Green Products Ltd

EN 998-1

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

Full declaration of ingredients:

20%+	Silica sands Limestone sands
1% to 20%	Natural Hydraulic Lime NHL3.5
0.1% - 1%	Clay
Below 0.1%	Cellulose (from plants) Tallow (from animals) Air entrainer (manmade)
Others	None

Safety Data





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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.