



# 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: Ecomortar

- Ecomortar is a pre-blended lime render with a natural patina in a range of colours, made with natural hydraulic lime.
- St Astier Ecomortar can be applied onto brick, stone and flint with one or two base coats and a finish coat.
- Ecomortar has high vapour exchange qualities resulting in a breathable render.
- Ideal for historic buildings.

### Lime Binder

Ecomortar Coarse and Finish are available in two strengths of lime, NHL2 and NHL3.5.

### Sand Grading

Ecomortar Coarse (Base coat)

M= 2.5mm

Ecomortar Finish

EF= 0.8mm

TF= 1.3mm

### Colour

Full range – see Render Colour Chart.

(Sample colour biscuits available)

### Packaging

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

### Coverage

Coarse (Base Coat) 25kg will cover approx. 1.5m<sup>2</sup> at 10mm.

Finish 25kg will cover approx. 3.5m<sup>2</sup> at 4mm.

### Surface Preparation

Remove dust, surface contaminants and loose or friable existing render. Where necessary consolidate or dub out any deep holes with Ecomortar Coarse 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 premix into a drum or forced action mixer, carefully avoiding creating excessive dust. Add 3.5 - 4.5 litres of clean water per bag. Mix for at least 10 minutes using drum mixer or use a mechanical whisk for 3 minutes. Stand for 10 minutes then mix again for 3 minutes adding further water, if required, to achieve workable consistency.

### Application

#### Ecomortar Coarse (Base Coat)

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.

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 Ecomortar Coarse coat may be applied after the previous has adequately cured, usually 2-4 days. Ensure it is thinner than the first. Key the final coat of Ecomortar Coarse whilst still green with a nail or devil float before applying the topcoat of Ecomortar Finish.

#### Ecomortar Finish

Apply Ecomortar Finish once the base coats have had sufficient time to cure; usually 4 -7 days. Ecomortar Finish should be applied to a straight, flat, dampened surface in one or two passes up to a maximum of 4mm. Each pass or layer of Ecomortar Finish should be applied while the first pass is still damp but has had time to "pull in". Avoid over working. Use only a light mist spray if applying water to the surface of the finishing coat. Finish with wooden float and leave open textured or dress with a sponge to close off and reveal the aggregate texture.

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



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## 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 and wind, ideally using a fully sheeted scaffold when outside.

## Decoration

Ecomortar is a coloured render and does not require decoration but can be decorated with mineral paint.

Allow approx. 24 days drying time before decorating with mineral paint.

When decorating use mineral paints. Contact The Lime Centre for further advice or information about the full range of mineral paints.

## Bulk Density

**Average Bulk Density:**  
Dry: 1400kg/m<sup>3</sup>: +/-100

## Performance

Product type	Eco Mortar C & F NHL 3.5	Eco Mortar C&F with NHL2/ WP with NHL 3.5
Compressive strength N/mm <sup>2</sup> 28 days	1.9	1.5
Compressive strength N/mm <sup>2</sup> 91 days	3.6	3.0
Flexural Strength N/mm <sup>2</sup> @28 days	0.5 to 1.0	0.2 to 0.5
Elasticity module MPa	5000	4000
Vapour exchange Gm air x m <sup>2</sup> x hour x mmHg	0.85	0.89 WP 0.85
Capillary water absorption kg (m <sup>2</sup> .min <sup>0.5</sup> )	1-2	2-3

## 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

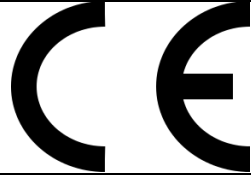
### **Control Measures:**

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



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**CHAUX ET ENDUITS DE SAINT ASTIER**

**La Jarthe**

**24110 Saint-Astier**

**05**

**EN 998-1**

**Coloured rendering mortar (CR)**

Reaction to fire:	Class A1
Compressive strength:	CS 1
Adhesion:	$\geq 0,3$ N/mm <sup>2</sup> -FP: ABC
Water absorption:	W0
Water vapour permeability:	$\mu 0,15$ (Tabulated Value)
Thermal conductivity:	0,66 (Tabulated Value)
Durability:	No mandated level