



# THE LIME CENTRE

The Lime Centre Ltd, Hazeley Road, Morestead, Winchester, Hampshire SO21 1LZ  
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## Product Name: Natural Mortar

- A premixed natural hydraulic lime mortar.
- Lime Green Natural Mortar is a dry bagged mortar made with Natural Hydraulic lime and a combination of carefully graded sands with the addition of pigments for colour.
- For building and pointing brick, stone and block.
- Ideal for historic buildings and new build.

### Sand Grading

RG 0-2mm

CG 0-3mm

### Strength

Available in either NHL3.5 or NHL5

### Colour

Wide range of options– see Colour Chart  
(Sample colour biscuits available)

### Packaging

25kg sacks

1 Tonne sealed bulk bags

### Yield/Coverage

We are happy to work out quantities required for you.

Repointing: 1 x 25kg bag will repoint 3-4m<sup>2</sup>  
brickwork and 1-2m<sup>2</sup> stonework.

Bricklaying: 1 Tonne will lay 750-1000 bricks.  
1m<sup>3</sup> will lay 1200-1800 bricks.

### Mixing/Water Addition

4.5 – 5.5 Litres water per 25kg bag

Drum or forced action mixer. Mix for at least 10 minutes (can be reworked for up to 8 hrs).

### Preparation, Application & Curing

Clean and remove all dust. Adequately dampen dry or high suction surfaces. Pointing and building mortars should be finished the same day or the following day in cooler periods. Lime mortars require longer curing times than cement mortar, but the methods and principals of application are similar. Do not use in temperatures less than 5 degrees or over 30 degrees. Protect mortar against the effects of drying winds,

strong sunlight, rain and frost. In warmer weather gently mist spray with water after application and cover if required with damp hessian. In cool weather cover fresh mortar with protective sheeting to help avoid frost damage.

### Bulk Density

#### **Average Bulk Density:**

Dry: 1550kg/m<sup>3</sup>: +/-100

Wet: 1550kg/m<sup>3</sup>: +/-50

### Performance

| Product type  | NHL5       | NHL3.5     |
|---|------------|------------|
| Compressive strength N/mm <sup>2</sup> 28 days                      | 1.0 to 2.0 | 0.5 to 1.0 |
| Compressive strength N/mm <sup>2</sup> 91 days                      | 2.0 to 4.0 | 1.0 to 2.0 |
| Flexural Strength N/mm <sup>2</sup> @28 days                        | 0.5 to 1.0 | 0.2 to 0.5 |
| Resistance to freeze thaw/sulphates                                 | High       | Medium     |
| Elasticity module MPa   | 9500       | 7300       |
| Vapour exchange Gm air x m <sup>2</sup> x hour x mmHg               | 0.5        | 0.64       |
| Capillary water absorption kg (m <sup>2</sup> .min <sup>0.5</sup> ) | <1.0       | <1.0       |

### Ingredients

| Declaration of Ingredient |  |
|---------------------------|--|
| 20%                       | Silica sand limestone sand                             |
| 1% to 20%                 | Natural Hydraulic Lime (NHL 3.5 or NHL 5)              |
| 0.1% to 1%                | Clay mineral pigments (optional) Tallow (from animals) |
| Below 0.1%                | Cellulose (from plants) Air entrainer (man made)       |
| Other                     | None   |



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## 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  
**14**

### **EN 998-2 2010**

### **Prescribed general purpose mortar for internal and external use**

|  |           |
|--|-----------|
| Proportion of constituents (by volume):      | CS II     |
| Natural Hydraulic Lime (NHL3.5 or NHL5):     | 1         |
| Aggregates:                                  | 3         |
| Reaction to fire:                            | Class A1  |
| Water absorption kg/(m <sup>2</sup> .min0.5) | 1.65      |
| Water vapour permeability                    | 15/35     |
| Thermal conductivity p=90%:                  | 0.93 W/mK |
| Thermal conductivity p=50%:                  | 0.83 W/mK |