



# 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: Construction Mortar

- A premixed coloured cement mortar for new masonry work.
- Available in a choice of different textures and colours.
- All that is required is the addition of clean water before mixing.
- Factory batching and quality control ensure a consistent high-quality range of mortars suitable for laying new bricks and blocks.
- For cement free lime mortar for historic buildings please contact The Lime Centre.

### Sand Grading

SG 0-1mm  
RG 0-2mm  
CG 0-3mm

### Strengths

Class ii – 1:0.5:4.5  
Class iii – 1:1:6  
Class iv – 1:2:9

### Colour

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

### Packaging

1 Tonne sealed bulk bags. Store in a cool dry place. Use within 6 months.

### Yield/Coverage

One tonne of dry mortar will yield approx. 0.66m<sup>3</sup> of mixed mortar, which normally lays approx. 1000 bricks or 600 blocks (445mm x 225mm x 100mm).

### Mixing/Water Addition

Mix in a drum mixer or by paddle mixer, avoid creating excessive dust. Carefully add the powder to clean water, using approximately 3.5 to 4.5 litres per kilograms. Mix for between 2 and 5 minutes until a workable consistency is achieved. Do not re-work or use additives. Do not use in temperatures less than 3°C or over 30°C, or on overly hot masonry.

### Curing

Prevent from drying out too rapidly, covering with hessian or mortar fleece if necessary. Protect from frost, driving rain and strong sun.

### Designation

| Mix Designation | Mix by volume | Assumed Strength class | Environmental Conditions |
|-----------------|---------------|------------------------|--------------------------|
| ii              | 1: ½: 4 ½     | M6                     | Severe                   |
| iii             | 1:1:6         | M4                     | Moderate                 |
| iv              | 1:2:9         | M2                     | Passive                  |

Construction Class Mortars conform to EN 998-2 and are available in a range of standard mix designations. Further information on choosing the correct designation is available in Approved Documents and EN998-2 and EN 1996-1-1 Eurocode 6



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## Lime Green Products Ltd

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

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| <b>Class ii<br/>BS-EN998-2</b>   | <b>Class iii<br/>BS-EN998-2</b>  | <b>Class iv<br/>BS-EN998-2</b>   |
|--|--|--|
| Prescribed general purpose mortar for external use in elements subject to structural requirements. | Prescribed general purpose mortar for external use in elements subject to structural requirements. | Prescribed general purpose mortar for external use in elements subject to structural requirements. |
| <b>Proportion of Constituents (by volume)</b><br>Cement 1<br>Lime 0.5<br>Sand 4.5                  | <b>Proportion of Constituents (by volume)</b><br>Cement 1<br>Lime 1<br>Sand 6                      | <b>Proportion of Constituents (by volume)</b><br>Cement 1<br>Lime 2<br>Sand 9                      |
| <b>Content of Chlorides</b><br><0.10%  | <b>Content of Chlorides</b><br><0.10%  | <b>Content of Chlorides</b><br><0.10%  |
| <b>Reaction to Fire</b><br>A1  | <b>Reaction to Fire</b><br>A1  | <b>Reaction to Fire</b><br>A1  |
| <b>Water Absorption</b><br>0.8kg/(m <sup>2</sup> .min <sup>0.5</sup> )                             | <b>Water Absorption</b><br>01.0kg/(m <sup>2</sup> .min <sup>0.5</sup> )                            | <b>Water Absorption</b><br>1.0kg/(m <sup>2</sup> .min <sup>0.5</sup> )                             |
| <b>Water Vapour Permeability</b><br>15/35  | <b>Water Vapour Permeability</b><br>15/35  | <b>Water Vapour Permeability</b><br>15/35  |
| <b>Thermal Conductivity</b><br>0.82W(m.K)  | <b>Thermal Conductivity</b><br>0.82W(m.K)  | <b>Thermal Conductivity</b><br>0.82W(m.K)  |
| <b>Durability</b><br>As per provisions in the NA<br>Eurocode 6                                     | <b>Durability</b><br>As per provisions in the NA<br>Eurocode 6                                     | <b>Durability</b><br>As per provisions in the NA<br>Eurocode 6                                     |



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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.