



# CLM35 - Data Sheet

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## PRODUCT

Cornish Lime ready-mixed fine mortar, CLM35, is a ready-to-use non-Hydraulic lime mortar suitable for building, pointing and rendering that simply requires 'knocking-up' prior to application. However, if the mix is too stiff for your desired application consistency additional water can be added.

Mix Ratio nominal 1:3 – Mature Lime Putty : Sand  
For custom mix ratios please contact us.

It is made using our top-quality lime putty which will be a guaranteed minimum four months mature, mixed with a 3mm down washed plastering sand sharp flint sand.

## USAGE

CLM35 is generally used as a float coat render both internal and external on top of an appropriately prepared undercoat render. It can also be used as a building or pointing mortar where appropriate, such as in joints less than 10mm; we tend to advise coarser sands where the joint width is greater than 3 times the width of the largest sand particle. That is not to say this product is not suitable for use in wider joints, however greater risk of shrinkage is likely. The following information is relevant to its use as such. This product does have other appropriate uses and please contact us if you have any questions regarding alternative usage.

This material cannot be applied directly to plasterboard or tanking materials.

## COVERAGE

Coverage for render at 6mm thick: 1.75 m<sup>2</sup>/25Kg - 70 m<sup>2</sup>/Tonne.

Pointing coverage – stonework approx. 1m<sup>2</sup> per 25Kg bag - brickwork approx. 2.5m<sup>2</sup>

Coverage data is provided for guidance purposes only, uneven surfaces, differing joint sizes can and will change consumption rates.

## ADVANTAGES

- Quality controlled production
- Consistency of mix ratio
- Free from silicones, acrylics and other harmful additives

## COLOURS

CLM35 is entirely natural in colour. No pigments or colourants are added.

For applications where colour is important, we strongly advise that sufficient quantities of plaster are purchased and all bags from the same batch to ensure consistency. For longer term projects we recommend contacting us in advance.

## PREPARATION

In general, this will be determined by the purpose and application of the mortar. We would expect appropriate preparation in accordance with best practice; where the surface is clean, free of dust and other debris. Where necessary the background should be adequately dampened to promote adhesion/bond with the host surface.



Dense impervious backgrounds/material are unlikely to be very absorbent and require little to no dampening, whereas more absorbent background/materials require adequate dampening in order to prevent rapid drying.

## MIXING

CLM35 is supplied ready to use, but may require 'knocking up' (re-mixing), in most cases this will bring the mix to a useable consistency. While additional water can be added to soften the mix further if desired, this should be kept to a minimum as higher water addition rates increases shrinkage cracking. If water is added it should be thoroughly mixed through (i.e. with a whisk) until you achieve a consistent mix.

## APPLICATION

**Topcoat:** When applying this as a topcoat, standard render practice should be followed; control the suction from the background, apply at a target thickness of 6-7mm, ruled off and float finish, optionally sponging. If a finishing plaster is to be applied on top of this then the surface should be lightly devil floated.

**Building/Pointing:** The mortar should be used as stiff as feasible but the mix must be workable. As a general guide for pointing, the depth of the joint should be double the width of the joint; if a brickwork joint is 10mm wide then a raking out depth of 20mm should be the target. For rubblestone walls with large joints a nominal thickness should be decided to prevent excessive mortar removal, ideally 20-30mm. It's crucial that the mortar is placed fully and firmly into the entire space of the joint and finishing should be undertaken with a churn brush to compact the mortar into the joint and to expose the aggregate at the mortar face.

## AVOIDING THE PITFALLS

CLM35 is made from Lime Putty, a Non-Hydraulic Lime that hardens through exposure to atmospheric Carbon Dioxide in the presence of moisture. This process will be influenced by climatic conditions and will behave differently depending on ambient temperatures. Work should never be undertaken in frosty conditions or where the temperature is likely to fall below 5 degrees C during the execution of the work, or until the mortar has hardened.

Protection should remain in place for as long as necessary. Ensure that the rate of drying is consistent and that strong draughts are excluded from the working area. This is particularly important where a building has windows removed or doors open. Heating regimes should be tempered so not to force dry the fresh works.

Generally speaking; lime mortar will be slower to harden in the winter than in the summer and adequate measures should be deployed to protect it; it should never be allowed to dry out too quickly. Never force the drying by introducing forced or excessive heating. If heating is required to maintain a proper working temperature, use propane heating, this has the effect of producing both moisture and heat simultaneously. Ensure the temperature is adequately controlled.

*The best advice we can offer is "that all Limes need babysitting in their infancy"*

## PACKAGING

This product is supplied in 25kg polythene bags or tubs on request). Or bulk tonne bags.

Pallets contain 40 x 25kg bag/tub (1 tonne pallets).

The plastic used is of prime quality and suitable for recycling



## STORAGE

This product should be stored in dry conditions, in unopened bags and clear from the ground. It should be kept away from freezing conditions.

Supplied from stock our CLM35 would ideally have been mixed for at least one week before we supply it, unless it has been made to order. Ideally any mortar/plaster made with lime Putty should be allowed to stand for at least seven days prior to application and should always be stored in appropriate conditions, free from frost and denied contact with the atmosphere. The shelf life of CLM35 in tubs is technically indefinite, but realistically in our standard polythene bags it should be at least 12 months.

## HEALTH AND SAFETY

**RISK PHRASES:** R36 / R37 / R38 / R43

- Avoid contact with skin and eyes.
- Contact with wet mortar may cause irritation, dermatitis and/or burns.
- Contact between lime powder and body fluid (sweat, eye fluid etc.) may cause skin burns and respiratory irritation, dermatitis or burns.

**SAFETY PHRASES:** S2 / S24/25 / S26 / S37

- Avoid eye and skin contact by wearing suitable eye protection, protective clothing and gloves.
- Avoid breathing dust.
- Keep out of reach of children.
- On contact with skin and/or eyes, rinse immediately with clean water and seek medical attention.

### DECLARATION:

- This product contains no NHL, pozzolans or cement.
- All Cornish Lime Companies manufactured products are produced under an externally assessed ISO9001:2015 management system