

Drymix Coarse - Data Sheet

Issue 2 – Dec 2021

PRODUCT

Multi-purpose, dry ready mixed **Lime Mortar** (add water).

Mix Ratio – 2:5

Binder Strength – Specified on bag

Factory blended mortar using a kiln dried sand and St. Astier NHL, combined with carefully selected additives to improve the mortar's physical and mechanical properties, whilst maintaining all of the virtues of a pure Natural Hydraulic Lime mortar.

USAGE

Drymix Coarse is a 5mm down pointing and bedding mortar made with NHL.

Suitable for applications in building conservation where the binder strength is appropriate for the host background/surface.

COVERAGE

After mixing, a 25kg bag will produce approximately 14.5 litres of mortar.

ADVANTAGES

- Quality controlled production.
- Consistency of mix ratio and working additions.
- Significantly improved workability, significantly reduced risk of shrinkage.
- Improved and even cure which offers an improved bond with the substrate.
- Extended working and finishing time.
- Can be used on high suction backgrounds.

COLOURS

This product entirely natural in colour. No pigments or colourants are added.

For applications where colour is important (such as unpainted pointing), we strongly advise that sufficient quantities of mortar are purchased and all bags from the same batch to ensure consistency.

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

Whilst this product has been designed to mitigate these issues, best practice still needs to be followed.

MIXING

A 25kg bag of mortar will require 4 to 5 litres of clean potable water. The water addition will vary according to the application and desired consistency/workability of the mortar. Always avoid making the mortar too wet, as this can promote shrinkage issues.

For drum type mixers, it is essential not to overfill the mixer. Whisk mixers are also suitable for use.

As a dry mixed material, it is possible that some settlement or separation may occur in the bag during transit; when mixing part bags, it is especially important that the dry contents are thoroughly blended prior to mixing with water.

Manufactured by Cornerstone Mortars.

Supplied Via Cornish Lime Ltd. Cornish Lime Ltd, Brims Park, Old Callywith Road, Bodmin, Cornwall, PL31 2DZ

Tel: 0120879779 | Email: sales@cornishlime.co.uk

Best Practice/Advised Mixing - First add 60 to 70% water of the total water into the mixer, followed by the dry mortar and turn the mixer on. Allow the mortar to mix until the water is thoroughly distributed, then add additional water to achieve desired consistency.

Mix for a minimum of 5 minutes but no longer than 10 minutes.

Other mix methods - We accept that it is generally site practice to add the water to the mortar, providing the mortar is well mixed and not too wet, this method will be sufficient.

Quenching - Like most lime mortars this product can undergo quenching; this is where the lime absorbs some of the mixing water over time making the mix fatter but it can make it stiffer than when it is first mixed. This process tends to happen over a 20-30 minute period after mixing, should the mortar become too stiff it may need knocking back up again with a splash more water. Should additional water be needed after quenching to maintain workability, this can be added and mixed thoroughly through the mortar on a spot board.

Once water has been added, this mortar has an open time of at least 12 hours. Longer in colder weather.

PACKAGING

This product is supplied in 25kg polythene lined paper bags.

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

The paper used is of prime quality and suitable for recycling, the packaging is a mixed material and should be recycled accordingly.

STORAGE

This product should be stored in dry conditions, in unopened bags and clear from the ground. Always protect bags from water and damp.

Use within 6 months of manufacturing date (provided on each bag).

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:

- Cornerstone lime mortars for masonry mortars are manufactured to the requirements of BS EN 998-2: 2016.
- These will contain no Portland cement whatsoever.

All Cornerstone products are CE marked and manufactured under an ISO9001:2015 accredited Factory Production Control System.

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