

THE TRADITIONAL LIME Co.



CORNERSTONE PRO-MIX / DRY-MIX PRODUCTS

After mixing, a 25kg bag will produce approximately 13 litres of mortar.
For render applications, a 25kg bag will cover approximately 1.35m² at 10mm thickness.

MIXING: This mortar/render is made using NHL and can be mixed using any conventional mixer.

A 25kg bag of Cornerstone 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, especially when used as a render. For drum type mixers, it is essential not to overfill the mixer.

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.

DRUM MIXER: Add the bag contents into the mixer avoiding inhalation of the dust, add 60% water of the total water into the mixer. Allow the mortar to mix until the water is thoroughly distributed, then add additional water to achieve desired consistency. and allow to mix for 10 minutes, allow to stand for as long as practical, ideal minimum 10 minutes and mix again thoroughly prior to application.

Plasterers Whisk: Mix thoroughly for 2-3 minutes then as above.

Use full bags when mixing; try not to split bags between mixes.

Accurately measure water addition to suit; excess water will increase the likelihood of shrinkage and cracking.

General information: This product contains no dangerous substances or toxic products. When in its wet state it is highly alkaline; after hardening, the lime and sand are definitively combined and insoluble with no further precautions necessary. The lime binder used in this mortar is St. Astier Natural Hydraulic Lime (www.stastier.co.uk) and the "set" is a combination of an initial chemical set with carbonation over time. Carbonation is a natural process that can be greatly influenced by seasonal climatic variations and as such should be suitably protected from extremes of temperature, direct sunlight & strong winds.



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 TLC Pointing Mortar includes additions to try and mitigate these issues, best practice still needs to be followed.

Lime mortars should not be allowed to dry out too quickly.

Protect from adverse conditions such as frost, rain etc.

Use mortars from the same batch for each elevation.

These are designed materials made to specific tested recipes, DO NOT add anything but water

Multi-purpose, dry ready mixed Lime Mortar (add water). Mix Ratio – 1:3

Factory blended mortar using a coarse kiln dried sand and St. Astier NHL3.5, 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.

Cornerstone products are designed as multi-purpose mortars for bedding, building and pointing applications, as well as weaker render coats. Suitable for applications in building conservation where an NHL3.5 is appropriate for the host background/surface.

Storage Instructions: Sold in poly-lined paper bags, keep closed before use. Store in a dry area and not in temperatures of less than 5 degrees. 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 12 months.

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