

# Remedial Render System - Data Sheet

## PRODUCT

Dry, ready mixed Lime and Cement Render system for renovation of cement based mortars.

Binder Strength – HL3.5.

Factory blended mortar using kiln dried sand and St. Astier HL3.5, combined with carefully selected additives to improve the mortar's physical and mechanical properties, whilst maintaining all of the virtues of a Hydraulic Lime mortar.

The Cornerstone Remedial Render System is designed to be applied to a range of backgrounds, including existing renders and painted surfaces, making it the perfect system for renovation and repair. The system can also be used to address surface defects in render coatings, as well as a bridging coat between various materials, alterations or extensions.

## USAGE

Two/Three coat system; Coarse Bonding Coat to ensure adhesion to the substrate and for any further coarse coats to provide depth and a Fine Finishing Coat.

Designed to set and maintain a low compressive strength, enabling its use on numerous backgrounds. The system achieves a high level of vapour permeability, improved workability, high flexibility and an extended open time to aid finishing. The Remedial Render also contains water repellents making it suitable for use in exposed conditions. As the system is manufactured with predominately lime binders it has a dramatically reduced carbon content when compared to market alternatives.

This product is not designed for heritage conservation, if you are unsure about suitable applications please contact us for more information.

## SETTING TIME

The setting time of all parts of the remedial render system is approximately 6-8 hours.

## COVERAGE

After mixing, a 25kg bag will produce approximately 14 litres of mortar.

## ADVANTAGES

- Quality controlled production.
- Low strength and high flexibility.
- Can cover numerous materials and backgrounds.
- Water repellent, suitable for use in exposed environments.
- Consistency of mix ratio and working additions.
- Improved workability of mortar, extended working and finishing time and reduced risk of shrinkage.
- Lower embodied carbon content compared to market alternatives.

## COLOURS

The Newbuild Render system is entirely natural in colour. No pigments or colourants are added.

## 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 the Renovation Render system includes additions to try and mitigate these issues, best practice still needs to be followed.

## MIXING

A 25kg bag of Render 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.

**Best Practice/Advised Mixing** - First add 60 to 70% water of the total water into the mixer, followed by the Render 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.

**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.

As Render is a fast setting mortar we recommend its use immediately after mixing.

## 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 renders and plasters are manufactured to the requirements of BS EN 998-1: 2010.
- Cornerstone lime mortars for masonry mortars are manufactured to the requirements of BS EN 998-1: 2010.

**Cornerstone products are CE marked and manufactured under a registered ISO 9001:2015 Quality System.**



Manufactured by Cornerstone Mortars. Supplied via Cornish Lime.