

# Scantle Mix - Data Sheet

## PRODUCT

Dry, ready mixed Lime Mortar specifically designed for use as a bedding material for slate.

Binder Strength – NHL3.5 blended with Prompt Natural Cement.

Factory blended mortar using a fine kiln dried sand, St. Astier NHL3.5 and Prompt Natural Cement, combined with carefully selected fibres and additives to improve the mortar's physical and mechanical properties, whilst maintaining all of the virtues of a pure Natural Hydraulic Lime mortar.

## USAGE

Scantle Mix is a designed bedding mortar for slate roofing applications. Scantle mix promotes an early set for security and maintains a high flexibility and low strength required for working with natural slate.

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

## SETTING TIME

The setting time of Cornerstone Scantle Mix will be temperature dependant.

In warmer/summer conditions the setting time will be approximately 40 minutes.

In colder/winter conditions the setting time will be approximately 90 minutes.

## COVERAGE

After mixing, a 25kg bag will produce approximately 13 litres of mortar.

It is difficult to accurately measure the amount of mortar that is needed to bed each individual slate, but we would estimate a coverage of 3 to 4m<sup>2</sup> per bag.

## ADVANTAGES

- Quality controlled production.
- Early set, high flexibility and low strength.
- Consistency of mix ratio and working additions.
- Reduced risk of lime bleed.
- Improved workability of mortar, extended working time and reduced risk of shrinkage.

## COLOURS

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

For applications where colour is important (pointing, unpainted render finish), 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 Scantle Mix includes additions to try and mitigate these issues, best practice still needs to be followed.

## MIXING

A 25kg bag of Scantle Mix 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 Scantle Mix 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 Scantle Mix 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 998-2: 2010. These will contain no cement whatsoever unless stated.

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



Manufactured by Cornerstone Mortars. Supplied via Cornish Lime.

Brims Park, Old Callywith Road, Bodmin, Cornwall, PL31 2DZ

Tel:01208 79779

Email: [sales@cornishlime.co.uk](mailto:sales@cornishlime.co.uk)