

# Promix Superfine Plaster

## Product Data Sheet

A dry ready mixed Natural Hydraulic Lime mortar for finishing plastering.



### Product Description

Factory blended mortar using graded kiln dried sand and Saint-Astier Natural Hydraulic Lime, 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.

### Mix Ratio

1 : 1.5 as standard, other mix ratios available on request.

### Binder

Saint-Astier NHL2, other binders and strengths available on request.

### Aggregate

0.5mm down silica sand and crushed limestone.

### Usage

This product is suitable for use as an internal topcoat decorative plaster; it is not suitable for external use.

Suitable for applications in construction where the binder strength is appropriate for the host background or surface; please refer to the usage and finishing section on page 2 regarding inappropriate backgrounds.

Do not use this product below 5°C, do not use this product if freezing conditions are predicted within the following few weeks (including wind chill). Do not use this product in temperatures above 30°C; this can be the case quite easily if a room has large windows in hot weather.

### Benefits

- Better workability & reduced shrinkage risk
- Slower drying; better curing
- Quality controlled production
- Consistency of mix ratio and working additions

### Coverage

After mixing, a 20kg bag will produce approximately 15 litres of plaster.

A single 20kg bag will cover 5.6m<sup>2</sup> at 2.5mm thickness on a totally flat wall. As walls are never completely flat on-site trials will always give the best indication of yield for your specific project.

### Colour and Texture

All of our standard Promix range is entirely natural in colour. No pigments or colourants are added.

Cornerstone Promix Superfine Plaster is made with a light cream silica sand and crushed limestone, this

gives a nearly pure white finish when trowelled or an off-white finish when sponged.

Please note that as sands come from a natural source there can be some variation in colour. While variances are slight, for applications where colour is important such as unpainted plaster, we strongly advise that each elevation is completed using render from the same batch.

### Preparation

In general, this will be determined by the purpose and application of the render.

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 Promix product range includes additions to help mitigate shrinkage issues, best practice still needs to be followed.

Ensure surfaces are clean and free of dust and other debris.

### Mixing

A 20kg bag of mortar will require 6 to 9 litres of clean potable water. Always avoid making the plaster too wet, as this can promote shrinkage issues.

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 80 to 90% water of the total water into the mixer, followed by the dry plaster and turn the mixer on. Allow the plaster to mix until the water is thoroughly distributed, then add additional water to achieve desired consistency.

**Mixing with a Whisk:** Plasterers whisks are the recommended option for mixing, mix until you've achieved the desired consistency then mix for a further 20 seconds. Do not mix for more than 5 minutes.

**Mixing with a Belle Mixer:** This is possible if the mixer is thoroughly cleaned before use but it is not ideal due to the poor mixing action and risk of plaster splashing. Mix for a minimum of 5 minutes, but for no longer than 10 minutes. We would recommend covering the mouth of the mixer to reduce splashing of the plaster out of the mixer.

### Manufactured by Cornerstone Mortars

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

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**Quenching:** Like most lime plaster this blend will benefit from Quenching; allow the plaster to stand for 10 to 20 minutes after mixing, before use. Whilst this is not mandatory you may find the mortar stiffens a bit if used straight out of the mixer, it may need a splash more water with remixing or just knocking back up again after 20 minutes as a result.

Once water has been added, this plaster has an open time of at least 14 hours. Longer in colder weather.

## Usage and Finishing

**Areas of Use:** All of our Promix range will be suitable for use onto backgrounds with some suction; for application onto tanking please consult us first as special application methods may be required. Ideally this plaster should be applied directly onto a coarser lime render background.

This plaster will not adhere to plasterboard or wood fibre insulation without use of a primer or grip coat, please contact us for more information if this is your intended use case.

Do not use this product in conjunction with PVA. Do not apply this plaster over existing Gypsum plasters or paint.

**Topcoat:** When applying this as a top coat to a coarser render backing coat standard plaster practice should be followed; control the suction from the background, apply the first pass thickness of 0.7-1mm, let this pull in and stiffen before going over with another pass at 0.7-1mm thickness. The overall target thickness should be 2mm; finish by sponging or trowelling. Whilst the target thickness is 2mm it should be applied no thicker than 3mm.

**Curing:** After application and finishing, the plaster should be kept damp to promote a cure and protected from direct sunlight and drying winds for a minimum of two weeks; longer in colder weather. Do not turn on heating too quickly after plastering, a minimum of two weeks should be left before artificially heating the room. Do not use a dehumidifier before 4 weeks.

## Packaging

This product is supplied in 20kg polythene lined paper bags, palletised for shipping and handling. The packaging is a mixed material and should be recycled accordingly.

Also available as tonne bags for 3 Tonne or higher order quantities.

## Storage

This product should be stored in dry conditions, in unopened bags and clear from the ground. Always protect bags from water and damp. Reseal part bags after opening if unused product is present.

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 renders and plasters are manufactured to the requirements of BS EN 998-1: 2016.

This product will contain no Portland Cement.

## Document Control

Datasheet version 1.5, issued September 2024. More modern versions of this document will supersede this datasheet, with no exclusions.

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