

Supertherm Topcoat

Product Data Sheet



A dry ready mixed Lime plaster for application onto Supertherm as a topcoat

Product Description

Dry ready mixed finishing plaster designed to be used as a topcoat for Supertherm

Mix Ratio

Only available as a 1:2 mix ratio

Binder

Lhoist CL90 non-hydraulic lime and pozzolan blend

Aggregate

2mm down silica sand

Usage

This topcoat is suitable for finishing Supertherm, it should have a mesh embedded and would ideally be applied as two passes with the mesh in the first pass.

This can be floated, sponged or trowelled as a finish.

This product will work on many other mineral backgrounds with some suction; however, it is incompatible with gypsum skim, plasterboard, or wood fibre boards.

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); we have designed other products which are more appropriate for cold weather work, please contact us for more information. Do not use this product in temperatures above 25°C.

Coverage

After mixing, a 25kg bag will produce approximately 15 litres of plaster. This will cover 2.5m² at 6mm thickness.

Benefits

- Designed to be compatible with Supertherm
- Slower drying; better curing
- Quality controlled production
- Consistency of mix ratio and working additions

Colour and Texture

This product is completely natural in colour giving a light yellowy cream finish. No pigments are used in this product.

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 render, we strongly advise that each elevation is completed using render from the same batch.

Preparation

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.

For application onto Supertherm the substrate should have been cured for a specified period of time before the topcoat is applied. The first pass of plaster should be applied in a two pass-one coat type application with a mesh embedded in the middle; butter up the wall, press in the mesh, then immediately overcoat; leave a light scratch in this in order to take the second coat. Keep the first coat damp and allow it to stiffen for 5-7 days before application of the second coat.

It is possible to undertake this application onto Supertherm in only a one-coat type pass, however the likelihood of the mesh grinning through in places is significantly higher, so we do not recommend it unless you have experience working with this product.

Mixing

A 25kg bag of plaster will require 4.5 to 5.5 litres of clean potable water. The water addition will vary according to the application and desired consistency/workability of the plaster. Always avoid making the mix too wet, as this can promote shrinkage issues, especially when used at higher thicknesses.

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

Mixing Time: Mix for a minimum of 5 minutes, but for no longer than 10 minutes when using a belle mixer. For a whisk mix for no less than 1 minute and no more than 4 minutes.

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 mortars this blend will benefit from quenching; allow the mortar to stand for 10 to 20 minutes after mixing, before use. Whilst this is not mandatory you may find the plaster 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 mortar has an open time of at least 16 hours. Longer in colder weather.

Usage and Finishing

Areas of Use: This topcoat is suitable for use onto Supertherm and most masonry backgrounds with some suction; for application onto tanking please consult us first as special application methods may be required. Render carrier boards like Celenit or similar are also suitable substrates however fine fibred wood wool or wood fibre insulation boards are not appropriate. For any other render carriers please contact us for more details on suitability.

Coats: Thickness of the coats should be limited to no more than 6mm per pass.

Application: This product should be treated as most lime plasters; after application it should be kept damp and mist sprayed for a minimum of 1 week.

Packaging

This product is supplied in 25Kg polythene lined paper bags, palletised for shipping and handling. The packaging is a mixed material and should be recycled accordingly.

Pallets contain 40 bags as standard at 25Kg each, we can supply these as up to 50 bags on request if there is suitable allowance for offloading at the delivery site such as a forklift.

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

This product will contain no Portland Cement whatsoever.

Document Control

Datasheet version 1.0, issued November 2025. More modern versions of this document will supersede this datasheet, with no exclusions.

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