

Roundtower SuperTherm Finishing Plaster

Product Data Sheet

A dry ready mixed Natural Hydraulic Lime mortar for rendering & plastering.



Product Description

Roundtower SuperTherm Finishing Plaster is used as a finish coat over Roundtower SuperTherm. Factory blended mortar using graded kiln dried sand and Natural Hydraulic Lime, combined with carefully selected additives to improve the mortar's physical and mechanical properties, whilst maintaining all the virtues of a pure Natural Hydraulic Lime mortar.

Mix Ratio

2:5 as standard

Binder

NHL2

Aggregate

1.5mm down blended sand.

Usage

Roundtower SuperTherm Finishing Plaster is used as a finish coat over Roundtower SuperTherm. It can also be used as a topcoat on other lime plasters and renders internally as well as externally.

Suitable for applications in construction where the binder strength is appropriate for the host background or surface.

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 30°C.

Benefits

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

Coverage

After mixing, a 25kg bag will produce approximately 15 litres of mortar.

For render applications; a single 25kg bag will cover 5m² at 3mm 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

The mortar finish is natural in colour. No pigments or colourants are added.

Roundtower SuperTherm Finishing Plaster is made with a fine

brown sand which gives a light brown render when floated. This render gives a lightly textured finish when floated with a plastic or wooden float, the finish is quite smooth 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 render, 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 Roundtower 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 25kg bag of mortar will require 4.6 to 5.4 litres of clean potable water. Always avoid making the mortar 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 60 to 70% water of the total water into the mixer, followed by the Roundtower SuperTherm Finishing Plaster and turn the mixer on. Allow the mortar 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.

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 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.

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.

Once water has been added, this mortar has an open time of

at least 14 hours. Longer in colder weather.

Usage and Finishing

Areas of Use: Roundtower SuperTherm Finishing Plaster is used as a finish coat over Roundtower SuperTherm. It can also be used as a topcoat on other lime plasters and renders internally as well as externally.

Topcoat: When applying this as a topcoat to Roundtower SuperTherm standard render practice should be followed; control the suction from the background, apply at a target thickness of 4-5mm and finish by floating plus optionally sponging. It is highly advisable to add a mesh into Roundtower SuperTherm Finishing Plaster. The mesh will increase strength and stress distribution of the plaster.

Curing: After application and finishing, the render 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. This can be achieved by use of sheeted scaffolding, damp hung hessian or even just unprotected regular dampening in sheltered areas

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.

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

Roundtower 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.