

Roundtower Trass Render

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



Product Description

Factory blended mortar using graded kiln dried sand and Natural Hydraulic Lime dosed with a gauge of traditional Rhine Trass, 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 & Binder

2:5 as standard, other mix ratios available on request. NHL2 and NHL3.5, other binders available on request. Also available fibred on request.

Aggregate

4mm down off white sharp sand, other sands available on request from a limited selection.

Usage

Trass Render is suitable substrates where a lime render is required with a lower free lime content, and lower water absorption characteristics, but good vapour permeability, and without excessive strength.

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 unless adequate protection is in place (take note of wind chill). Do not use this product in temperatures above 30°C.

Coverage

After mixing, a 25kg bag will produce approximately 14.5 litres of mortar. For render applications; a single 25kg bag will cover 1.5m² at 10mm depth (average) of render. As walls are never completely even on-site trials will always give the best indication of yield for your specific project.

Advantages

- Quality controlled production and product consistency.
- Improved workability of mortar, extended working and finishing time and reduced risk of shrinkage.
- Increased water retention for improved cure.
- Product stability when used in a machine applicator, along with traditional texture.

Colour and Texture

All of our standard renders are entirely natural in colour. No pigments or colourants are added.

The standard Trass Render achieves its colour from the Trass itself, this gives a naturally light buff to pale brown colour when applied in the standard fashion.

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

Preparation

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

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 this product 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 4.2 to 4.8 litres of clean potable water.

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 80-90% water of the total water into the mixer, then turn the add the dry mortar and turn the mixer on. Allow the mortar to mix until the water is thoroughly distributed, then add additional water to achieve desired consistency. Add water slowly to prevent over-wetting of the mix.

Mixing Time: Mix for a minimum of 5 minutes, but for no longer than 10 minutes.

Once water has been added, this mortar has an open time of at least 8 hours. Longer in colder weather.

Usage and Finishing

Areas of Use: This is a render designed to have low water absorbency but high vapour permeability, it's often used in areas of high wind driven rain.

Rendering: The substrate should be suitably prepared to take the render, this may be through dubbing out just to flatten the wall, or through application of a scat coat before application of this render. The substrate will typically want



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to be relatively flat before application (i.e., no steps or sharp depth changes) in order to reduce risk of cracking.

Where previous coats have been applied, they should have been devil floated or lightly scratched to promote a mechanical key between it and this render coat.

Hand apply at typical lime render thicknesses, then apply a cross hatch scratch to take the float coat at a depth of approximately 1/3rd of the coat depth.

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.

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

Roundtower lime renders and plasters are manufactured to the requirements of BS EN 998-1: 2016 and BS EN 998-2: 2016.

This product will contain no Portland Cement whatsoever.

Document Control

Datasheet version 1.1, issued February 2025. More modern versions will supersede this datasheet, with no exclusions.



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