



Roundtower Board Render - Data Sheet

PRODUCT

Multi-purpose, dry ready mixed **Lime Render** (add water).

Mix Ratio – 2:5

Binder Strength – NHL3.5

Factory blended mortar using a kiln dried sand and NHL, 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.

USAGE

Roundtower Board Render is designed to be used as a backing coat to adhere insulation board to the background. The boards will still need a mechanical fixing to hold them in place, however this render will allow build-up of the insulation boards before fixing.

We advise application using a notched trowel to the whole back of the board.

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

COVERAGE

After mixing, a 25kg bag will produce approximately 14.5 litres of render.

For render applications, a 25kg bag will cover approximately 1.45m² at 10mm thickness.

ADVANTAGES

- Quality controlled production.
- Consistency of mix ratio and working additions.
- Improved workability of mortar, extended working and finishing time and reduced risk of shrinkage.

COLOURS

This product is entirely natural in colour. No pigments or colourants are added.

Please note that colour variation is still possible due to the use of natural sands, however this product is not intended to be used as a finishing coat.

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 this product includes additions to try and mitigate these issues, best practice still needs to be followed.

MIXING

A 25kg bag of render will require 4.4 to 5.4 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 render 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.

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.

Should additional water be needed after quenching to maintain workability, this can be added and mixed thoroughly through the mortar.

Once water has been added, Roundtower Board Render has an open time of at least 2 hours. Longer in colder weather.

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:

- Roundtower lime mortars for renders and plasters are manufactured to the requirements of BS EN 998-1: 2016.
- Roundtower lime mortars for masonry mortars are manufactured to the requirements of BS EN 998-2: 2016.
- This mortar will contain no Portland Cement whatsoever.

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