Tanking Render - Data Sheet

PRODUCT

Dry, ready mixed render specifically designed to prevent water ingress in solid wall masonry.

For the majority of applications, we strongly advise against the use of tanking treatment on solid walls as the masonry should be allowed to breath, however in certain applications and locations, Cornerstone Tanking Render can be suitable.

Factory blended mortar using a coarse kiln dried sand and Prompt Natural Cement, combined with carefully selected additives to improve the mortar's physical and mechanical properties, whilst maintaining a waterproof and sulphate resistant coating.

USAGE

Tanking Render is designed for application where the presence of liquid water is constant, examples of this can be application underground such as basements or coastal applications where salts are present and have degraded the fabric.

Conventional tanking treatments usually rely on chemical based slurries, which firstly require a cementitious mortar to be applied, followed by numerous applications of a tanking slurry/treatment. Cornerstone Tanking Render can be applied directly to the host surface as two 10mm coats, acting as both a render coating and a taking treatment.

Suitable for applications where the masonry is subject to constant/regular presence of liquid water and/or salt damage.

Please contact the manufacturer for further technical information.

SETTING TIME

The setting time of Cornerstone Tanking Render will be temperature dependant.

In warmer/summer conditions the setting time will be approximately 40 minutes.

In colder/winter conditions the setting time will be approximately 90 minutes.

COVERAGE

After mixing, a 25kg bag will produce approximately 13 to 14 litres of mortar.

ADVANTAGES

- Quality controlled production.
- Waterproof
- Sulphate resistant.
- Fast drying.
- Consistency of mix ratio and working additions.
- Improved workability of mortar and reduced risk of shrinkage.

COLOURS

Tanking Render is entirely natural in colour. No pigments or colourants are added.

For applications where colour is important (pointing, unpainted render finish), we strongly advise that sufficient quantities of mortar are purchased and all bags from the same batch to ensure consistency.

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.

When applying two coats, this should be carried out on the same day with two hours between coats.

We advise a base coat of 10mm that can be scratched, followed by a further 10mm coat. We would then advise a lime plaster is applied over the Tanking Render. As tanking solutions can be prone to sweating, a lime plaster will enable this excess moisture to be released.

Whilst Tanking Render includes additions to try and mitigate these issues, best practice still needs to be followed.

MIXING

A 25kg bag of Tanking Render will require 4 to 5 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 Tanking 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.

Mix for a minimum of 5 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.

As Tanking Render is a fast setting mortar we recommend its use immediately after mixing.

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:

- Cornerstone lime mortars for renders and plasters are manufactured to the requirements of BS EN 998-1: 2010.
- Cornerstone lime mortars for masonry mortars are manufactured to the requirements of BS EN 998-2: 2010. These will contain no cement whatsoever unless stated.

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