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SOVEREIGN TECHNICAL INFORMATION SHEET SULPHATE RESISTANT READY RENDER

ORDER CODE: 7545

Description

Sovereign Sulphate Resistant Ready Render is a cementitious single coat render with wide-ranging uses. It is highly sulphate resistant so suitable for use in areas subject to high levels of salt contamination. It can be used for rendering after the insertion of a chemical DPC, for tanking applications, rendering swimming pool shells and for overcoating masonry, concrete and stone structures.

Form Supplied: Powder
Pack Sizes: 25 kg
Colour range: Grey (others subject to minimum order)
Contains: Blend of cement, aggregate and waterproofing additives

Properties

Sovereign Ready Render can be either spray or hand applied in both internal and external situations. A single coat can be applied up to 30 mm thick without slumping so negating the need to build up the render in layers saving time and money.

Usage/Preparation

As with all renders, it is important that the suitability of Ready Render is assessed for each application with regard to the properties of the substrate and any subsequent coatings. Refer to the relevant codes of practice, BRE digest and British Standards, e.g. BS5262, which cover the type and application of renders.

Tanking Applications

Prior to tanking existing buildings with Hey'di K11, old coatings must be removed. Once this is achieved the most successful method of tanking is onto a new render coat.

First all walls must be damp – power washing is ideal. Brush apply a bonding coat consisting of 1 part water, 1 part Sovereign SBR Bonding Agent and mixed with neat Portland cement. Work this in well with a stiff brush.

Whilst this is still tacky (within 20 minutes) apply a thin coat of Ready Render, sufficient to make up any irregularities in the wall and to give a flat, even finish but do not over trowel as a tight surface will not take further coatings. The Ready Render should be mixed with a gauging solution of 1 part Sovereign SBR Bonding Agent diluted with 3 parts water.

DPC Applications

Hack off existing plaster/wall coating to a minimum of 300 mm above the maximum level of dampness or salt, or at least 1 metre above floor level, whichever is the greater. Rake out all mortar joints to a minimum depth of 12 mm. Mix the Ready Render and compact it in to the joints and render to a minimum depth of 25 mm. Walls should be left as long as possible before plastering with Ready Render to allow some of the moisture to dry out. (Where insulation of the building or thickness of plaster is an issue then we recommend the use of Sovereign Renderlite – a cement based waterproof, lightweight thermal plaster with excellent U values and need be applied at only 15 mm thickness).

General Rendering Applications

Sovereign Ready Render is designed for machine application by an M-Tech Duo-Mixer or similar. Continuous mixing and accurate control of water addition will allow a very low water/solids ratio to be used.

The material is sprayed through a nozzle on to the substrate and it is possible to apply up to 30 mm without slump. The material has an extended working time and it is possible to stop the pump for up to a maximum of 20 minutes and then continue pumping.

Sovereign Ready Render can also be hand applied using traditional methods.

Ready Render can be applied at a rate of approximately 3 – 5 tonnes per hour.

Practical Coverage

0.5 m² per bag at 30 mm thickness

0.8 m² per bag at 20 mm thickness

1.6 m² per bag at 10 mm thickness

For larger contracts the following guide is recommended:

31.2 m² per tonne of powder

Protect all new work from direct sunlight and strong winds to prevent flash drying.

Mixing

Ready Render should be mixed mechanically, adding the powder to the water until the desired consistency is reached. The ideal water addition is 4 litres of water per bag of Ready Render. Excess water can lead to slump and shrinkage.

Storage

This product must be stored under cover, in unopened bags clear of the ground in cool dry conditions, protected from frost and excessive draught. When stored correctly, as above, and used within 6 months of the date shown on this packaging, the activity of the reducing agent added will be maintained and this product will contain, when mixed, no more than 0.0002% (2ppm) soluble chromium (VI) of the total dry weight of the cement.

Information given is in good faith based on experience and usage, however all recommendations are made without warranty or guarantee, since the conditions of use are beyond our control. All goods are sold in accordance with our Conditions of Sale, copies of which are available on request. Customers are advised that product, techniques and codes of practice are under constant review and changes occur without notice, please ensure you have the latest updated information.

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