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TDS 65

SOVEREIGN TECHNICAL INFORMATION SHEET RENDERLITE RENOVATING PLASTER

ORDER CODE: 82

Description

Sovereign Renderlite Renovating Plaster is ideal for any plastering situation. Its performance characteristics, which allow walls to breathe but prevent the movement of liquid moisture and salts, make it particularly suitable for use on damp walls or after the insertion of a chemical DPC.

Form Supplied: Powder
Pack Sizes: 25 kg
Colour range: Grey
Contains: Cement, lime, aggregate and waterproofing additives

Properties

Sovereign Renderlite is an easy to apply internal plaster; it is breathable but will not allow the passage of salts through to the surface. Renderlite also has excellent thermal qualities, with a U value much higher than either sand: cement renders or gypsum based plasters. This makes it particularly useful where condensation may be a problem, such as cold external walls or after tanking basements with Sovereign Hey'di K11.

Usage/Preparation

When used after a chemical DPC remove timber skirtings, dado rails and radiators. Hack off old plaster back to the brickwork to a height of 300 mm above the last signs of damp, or 1 metre above the level of the DPC, whichever is the higher. Rake out mortar joints and hack the brickwork to provide a key.

If dry rot is present then treat the area with Sovereign Fungicidal Wall Solution Extra as detailed in our technical literature.

Re-rendering should not be carried for at least 3 – 5 days in warm weather. In cold or damp conditions rendering should be left for 10 – 14 days to allow sufficient time for the masonry to begin to dry.

Renderlite Renovating plaster can also be used on surfaces tanked with Hey'di K11

If this is the case then plastering should be carried out within 24 – 48 hours of applying the K11. If a longer interval of time is allowed to pass before plastering K11 then the Renderlite must be applied on to a bonding coat consisting of 1 part Sovereign SBR Bonding Agent and 1 part water mixed with neat cement to produce a slurry. The slurry is brush applied in a thin (1 mm) layer on to the surface of the K11 and the Renderlite applied whilst the bonding coat is still tacky.

Mixing

This can be done either by hand or machine. When using a machine mixer do not mix for more than 5 minutes. To mix by hand or with a plasterers whisk then add ½ the contents of the bag to 12.5 litres of water and mix to form a thin slurry. The remainder can then added. Once mixing is complete allow to stand for 15 minutes before use.

Application

After the insertion of a chemical DPC apply the Renderlite to a depth of 10 12 mm as a single coat. If greater thicknesses are required to meet existing levels then apply the Renderlite as a dubbing or scratch coat and allow to cure for 24 hours before applying a second coat. Scratch each coat as it dries to provide a key for the following coat. Leave a 25 mm channel between rendering and floor, but do not bridge the level of the DPC unless the wall has been tanked.

When used in situations where a DPC has not been installed the following should be taken in to account.

Highly porous substrates will require thorough damping down to prevent flash suction.

Application cont.

On dense backgrounds such as engineering brick, stone or pre-cast concrete then either of the two following methods must be employed: -

1. Apply a bonding coat consisting of Sovereign SBR Bonding Agent diluted 1:1 with water and mixed with neat, fresh cement to form a slurry. Brush the slurry vigorously on the wall to 1 mm depth and apply the Renderlite whilst the bonding coat is still tacky. If the bonding coat dries apply a further coat.
2. Apply a keycoat / spatterdash consisting of 1 part cement, 2 parts clean coarse sand mixed to a thick consistency with a gauging solution of SBR Bonding Agent diluted 1 part to 2 parts water. Apply the mix by dashing onto the surface to give complete coverage with a rough texture. The spatterdash should be dampened periodically until it has hardened and then allowed to dry. Renderlite can then be applied in the usual way, however allow 36 hours curing before applying the finish.

Practical coverage

Coverage at 10 mm thickness is approximately 3.5 m² per 25 kg bag.

Shelf Life and Storage

This product must be stored in a dry place, free from moisture contact. Sovereign Renderlite Renovating Plaster has a shelf life of 6 months in unopened bags. Do not store in direct contact with the ground

Finishing

Once the final coat of Renderlite Renovating Plaster has set, usually 24 hours it is ready to receive the finish coat. Sovereign recommends the use of Sovereign Renderlite Finish Plaster, to a depth of 1.5 – 3 mm be applied (see TDS 87). When the Renderlite system is used after the insertion of a DPC then it should be left as long as possible before the application of a paint coating, wallpapering must be delayed for 6 months. If tiles are to be applied then these should be fixed directly to the backing coat using one of Sovereigns powdered tile adhesives.

General

Sovereign Renderlite Renovating Plaster has greater insulating properties than both sand: cement renders and gypsum plasters. This can be seen from the following table.

Plaster	Coefficient of thermal conductivity	Thermal resistance at 10 mm
Sand:Cement	0.53	0.018
Gypsum Plaster	0.46	0.022
Renderlite	0.17	0.059

General And Safety Precautions

Do not breathe dust. Avoid contact with eyes/skin. In case of contact with eyes rinse immediately with copious amounts of water and seek medical attention. Wear suitable protective clothing/gloves and overalls (goggles if risk of splashing). For full health and safety information see Safety Data Sheet reference number SDS 65.

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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