



Sovereign RenderLite Renovating Plaster

LIGHTWEIGHT, BREATHABLE, SALT-RESISTANT PLASTER WITH EXCELLENT THERMAL QUALITIES TO REDUCE CONDENSATION

TECHNICAL SHEET NO: TDS02273 22/05/2025

SMART ADVANTAGES

- Prevents the movement of liquid moisture and salts
- Increases surface temperatures & reduces risk of condensation
- Lightweight and quick-drying

DESCRIPTION

Sovereign RenderLite Renovating Plaster is a lightweight, breathable, fibre-reinforced plaster designed to control and manage moisture movement in traditional and damp buildings.

It is an easy to apply internal plaster which is breathable but will not allow the passage of salts through to the surface. This makes it particularly suitable for use on damp walls or after the insertion of a chemical DPC. It can be applied to dry or damp walls of masonry, block, brick, or stone.

Sovereign RenderLite Renovating Plaster is suitable for renovation in damp environments or flooded properties. Being breathable, it can be applied to damp walls allowing them to dry naturally, while releasing moisture from the substrate. This breathability ensures less moisture is retained and helps avoid mould growth and efflorescence.

It can be applied instead of traditional lime-based plasters as it is flexible and breathable - however, it is much faster drying. Fibres in the plaster help control shrinkage and cracking & improve the strength and impact resistance of the plaster.

Sovereign RenderLite Renovating Plaster also has excellent thermal qualities. 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.



TECHNICAL CHARACTERISTICS

Colour	Grey
Form	Powder
Specific gravity	Dry powder approx.0.6 set material approx.0.7-0.8
Composition	Cement, lime, aggregate and waterproofing additives
Application temperature	+5°C to +25°C
Pot life	20 to 30 minutes approx.
Setting time	Approx. 8 hours (depending on plaster thickness, ambient temperature and humidity)
Drying time	Approx. 24 hours per coat (depending on plaster thickness, ambient temperature and humidity)
Mix ratios	12.5 litres of water per 25kg bag
Thermal conductivity (k) at 0% moisture by volume	0.13W/m°C
Thermal conductivity (k) at 3% moisture by volume	0.21W/m°C
Thermal resistance (R) at 13mm and 3% moisture by volume	0.058m² °C/W
Modulus of elasticity	2100N/mm²
Compressive strength	Typically, 3N/mm² after 28 days
Flexural strength	Typically, 1.4N/mm² after 28 days
BBA certificate	91/2727 05/4251

COVERAGE

- 3m² per 25kg bag at 10mm thickness (depending on substrate texture & application technique)

APPLICATION

IMPORTANT: Before using Sovereign RenderLite Renovating Plaster, refer to the relevant Health & Safety Data Sheet, available at www.bostik.com/uk.

PREPARATION

- Apply on to a suitable prepared substrate. It is not suitable for use on plasterboard.
- Ensure the substrate is clean, sound, level and free from cracks, structural defects, laitance, grease, oil, dirt dust and other surface contamination. Traces of gypsum plaster and bitumen must be completely removed. Ensure the substrate is strong enough to support the weight of the plaster.
- 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 300mm 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, treat the area with Sovereign Fungicidal Wall Solution Extra (see separate technical data sheet).

MIXING

- Add 12.5 litres of clean, cold water into a clean mixing bucket.
- Gradually add the 25kg bag of Sovereign RenderLite Renovating Plaster to the water, whilst continually mixing with an electric drill and mixing paddle until a smooth, lump-free mixture is obtained. This will normally be achieved after 2 to 3 minutes. Do not under mix.
- Note: the addition of too much water may result in reduced strength and shrinkage cracks.
- Make sure the mixing bucket is free from any unmixed material on the sides and the base.
- After mixing, allow the mix to stand for 3 to 5 minutes. Remix, adding a small quantity of water if necessary.
- Do not mix more Sovereign RenderLite Renovating Plaster than you can use in 30 minutes. The mix will remain workable for approximately 20 to 30 minutes under normal conditions. If the mix begins to stiffen before it has been applied, it must be discarded. Do not re-temper or add further water.

APPLICATION

- Apply in temperatures between +5°C to +25°C.
- Apply a bonding coat consisting of Sovereign Hey'di Bonding Agent diluted 1 : 1 with water and mixed with neat, fresh cement to form a slurry. Brush the slurry vigorously onto the wall to 1mm depth and apply Sovereign RenderLite Renovating Plaster whilst the bonding coat is still tacky. If the bonding coat dries apply a further coat.
- Apply at a thickness of 10mm to 12mm in a single coat, to a smooth surface.
- Where thicker applications are required, the product should be applied in coats between 7 and 15mm. A minimum drying time of 24 hours is required between coats. For an improved key, apply a horizontal scratch between each coat.

- Sovereign RenderLite Renovating Plaster can also be used on surfaces tanked with Sovereign Hey'di K11. If this is the case, then Sovereign RenderLite Renovating Plaster must be applied on to a bonding coat and not directly onto Sovereign Hey'di K11. The bonding coat consists 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 Sovereign Hey'di K11, and Sovereign RenderLite Renovating Plaster applied whilst the bonding coat is still tacky.
- Once the required thickness has been achieved and the final coat of Sovereign RenderLite Renovating Plaster has set (usually 24 hours), it is ready to receive the finish coat. Do not force dry as shrinkage and cracking can occur. Apply Sovereign RenderLite Finishing Plaster to a depth of 2mm (see separate technical data sheet). Do not apply gypsum-based finishing plasters.

DPC

- Leave a 25mm channel between the plaster and floor, but do not bridge the level of the DPC unless the wall has been tanked.
- After the insertion of a chemical DPC, apply Sovereign RenderLite Renovating Plaster to a depth of 10 to 12mm, in a single coat. If greater thicknesses are required to meet existing levels, then apply Sovereign RenderLite Renovating Plaster 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.
- When used in situations where a DPC has not been installed, the following should be taken into account:
Highly porous substrates will require thorough damping down to prevent flash suction.
On dense backgrounds such as engineering brick, stone or pre-cast concrete, 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 onto the wall to 1mm depth and apply Sovereign RenderLite Renovating Plaster 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 Sovereign 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. Sovereign RenderLite Renovating Plaster can then be applied in the usual way. However, allow 36 hours curing before applying the finish.

DECORATION

- When the Sovereign RenderLite system is used after the insertion of a DPC, then it should be left as long as possible to dry before applying a paint coating.
- Paints must be breathable, such as water-based or mineral-based paints. Wallpapering or tiling is not recommended due to them being non-porous.

- However, if wallpapering it 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 the Bostik powdered tile adhesives.

CLEANING

- Clean tools and equipment with warm, soapy water immediately after use.

STORAGE

- Store and transport securely. Store for up to 6 months from date of manufacture in original, unopened packaging, clear of the ground, in cool, dry conditions within the temperature range +5°C to +25°C and out of direct sunlight. Protect from frost and excessive draughts.

PRECAUTIONS IN USE

For internal use only. Sovereign RenderLite Renovating Plaster is compatible with most building materials. However, it is not compatible with gypsum. Do not use with gypsum plaster, or plasterboard.

In cold or damp conditions, Sovereign RenderLite Renovating Plaster should be left for 10 to 14 days to fully cure.

For any application not covered, please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.com/uk for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instruction, first aid measures and spillage and disposal instructions, see separate Health and Safety Data sheet for Sovereign RenderLite Renovating Plaster, available at www.bostik.com/uk.

PACKAGING

Product codes	30806772	25kg bag
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