

**Sovereign Chemicals Limited**

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**Agrément
Certificate
No 91/2727**
Second issue *

Designated by Government
to issue
European Technical
Approvals

SOVEREIGN RENDERLITE RENOVATING PLASTER

Système d'enduit rénovateur
Putzsystem

Product

• THIS CERTIFICATE REPLACES CERTIFICATE No 88/1986 AND RELATES TO SOVEREIGN RENDERLITE RENOVATING PLASTER, A SALT RETARDANT PLASTER WHICH IS USED ON THE INTERNAL SURFACES OF WALLS IN EXISTING BUILDINGS AFTER A REMEDIAL DAMP-PROOF COURSE HAS BEEN INSTALLED.

- Sovereign Renderlite Finishing Plaster is used as the finishing coat.
- The system is for use at a finished thickness of 13 mm.
- To avoid split responsibility, the replastering should be conducted by the dpc installer or his approved agent.

Regulations**1 The Building Regulations 2000 (England and Wales)**

In the opinion of the British Board of Agrément, the use of this product is not subject to these Regulations.

2 The Building Standards (Scotland) Regulations 1990 (as amended)

In the opinion of the BBA, the use of this product is not subject to these Regulations.

3 The Building Regulations (Northern Ireland) 2000

In the opinion of the BBA, the use of this product is not subject to these Regulations.

**4 Construction (Design and Management) Regulations 1994 (as amended)
Construction (Design and Management) Regulations (Northern Ireland) 1995 (as amended)**

Information in this Certificate may assist the client, planning supervisor, designer and contractors to address their obligations under these Regulations.

See section:

6 Delivery and site handling (6.4).

Technical Specification

5 Description

- 5.1 Sovereign Renderlite Renovating Plaster is a lightweight cementitious backing plaster, finished with Sovereign Renderlite Finishing Plaster.
- 5.2 Sovereign Renderlite Renovating Plaster contains Portland cement, lime, lightweight perlite aggregate, polypropylene fibres and a salt inhibitor.
- 5.3 Sovereign Renderlite Finishing Plaster contains gypsum, lime, aggregates, additives and an alkaline mould inhibitor.
- 5.4 The plasters are produced by batch blending.
- 5.5 Raw material quality is controlled, and checks are made on the final product for:
- dry bulk density
 - wet bulk density
 - working characteristics
 - volume yield
 - loss on ignition
 - water repellent properties.

6 Delivery and site handling

- 6.1 The plasters are packed in multi-wall 25 kg paper sacks bearing the manufacturer's markings, mixing and application instructions and the BBA identification mark incorporating the number of this Certificate.
- 6.2 The bags should be stored in dry conditions and protected from damage.
- 6.3 The bagged plasters have a shelflife of six months. Part-used bags should not be stored.
- 6.4 The products contain Portland cement and hydrated lime and should be handled using routine precautions for these materials.

Design Data

7 General

- 7.1 Sovereign Renderlite Renovating Plaster is satisfactory for application to walls of all types of masonry, where there has been rising damp and a remedial dpc treatment has been conducted.
- 7.2 It is applied at a thickness of 11 mm using the normal procedures defined in BS 5492 : 1990 and is finished using 2 mm of Sovereign Renderlite Finishing Plaster.
- 7.3 The plasters have good resistance to mechanical damage.

8 Strength and stability

The plaster adheres well to masonry surfaces and has a stable finish. It is unlikely to crack or lose

adhesion unless structural movement takes place. Its flexural and compressive strengths are similar to traditional lime-based plasters.

9 Resistance to salt transfer

Where rising damp has created a high salt content in walls and an effective remedial treatment has been conducted, and where no other source of water ingress exists, Sovereign Renderlite Renovating Plaster will provide an effective barrier against salt transfer.

10 Fixing and chasing

Normal methods for fixing and chasing can be used, but the surface should be restored using Sovereign Renderlite Renovating Plaster.

11 Behaviour in relation to fire

When tested to BS 476-4 : 1970(1984), Sovereign Renderlite Renovating Plaster was deemed to be non-combustible.

12 Durability

The durability of Sovereign Renderlite Renovating Plaster is equivalent to traditional plastering to BS 5492 : 1990.

Installation

13 Diagnosis and preparation

- 13.1 A full survey to diagnose the causes of dampness is made by a specialist surveyor.
- 13.2 If rising damp is found, a remedial treatment is conducted in accordance with BS 6576 : 1985.
- 13.3 Appropriate remedial measures are taken to rectify other causes for damp conditions, and to repair structural damage. Defective plaster and plaster affected by moisture and hygroscopic salts should be removed to at least 300 mm above the highest detectable sign of dampness or one metre above the dpc, whichever is the higher.

14 Application

- 14.1 The standard of installation should comply with BS 8000-10 : 1995.
- 14.2 Replastering may take place as soon as the dpc has been installed and the substrate properly prepared in accordance with the *Sovereign Renderlite Products Users/Specifiers Guide*.
- 14.3 Sovereign Renderlite Renovating Plaster is mixed with clean water in clean containers, by hand or mechanically, to a normal plastering consistency. Over-mixing is to be avoided, and hand-mixing is preferably conducted in a trough using a hoe or plasterer's drag.
- 14.4 Sovereign Renderlite Renovating Plaster is applied, generally in accordance with BS 5492 :

1990, to achieve a thickness of 11 mm, and the surface is lightly scratched. The plaster is applied no lower than the level of the dpc. If necessary a batten is used to achieve this.

14.5 If the maximum thickness of the required backing coat is to exceed 11 mm, a scratch or dubbing out coat is necessary to achieve a level surface. Each coat must not exceed 11 mm and be well scratched, and allowed to dry before the application of the subsequent coat.

14.6 If the background is impermeable and offers little suction (ie where rising damp has occurred in the mortar joints) the joints are raked out to provide a mechanical key and/or Sovereign SBR Bonding Agent is applied to the surface and the wall is replastered immediately with Sovereign Renderlite Renovating Plaster.

14.7 Except in cold, damp conditions Sovereign Renderlite Renovating Plaster is sufficiently dry after 24 hours to accept the finishing coat of Sovereign Renderlite Finishing Plaster, applied 2 mm thick (Sovereign Renderlite Finishing Plaster is not recommended if the surface is to be tiled).

14.8 Normally, Sovereign Renderlite Renovating Plaster sets in eight hours, and Sovereign Renderlite Finishing Plaster in 1½ hours.

15 Redecoration

After a remedial dpc treatment is conducted, a 230 mm thick solid brick wall will normally dry in 6 to 12 months, provided normal heating is used during the winter months. A thicker wall will take longer. During this period any redecoration must be permeable to water vapour, eg the wall may be decorated with one coat of matt emulsion.

Technical Investigations

The following is a summary of the technical investigations carried out on Sovereign Renderlite Renovating Plaster.

16 Test

The following tests were carried out as part of the assessment leading to the issue of this Certificate, tests were carried out to determine:

- bulk density
- set density
- consistency
- setting shrinkage
- flexural strength
- compressive strength
- adhesive strength
- effect of background water
- effect of salts
- water vapour permeability.

17 Investigations

17.1 The manufacturing process was examined, including the methods adopted for quality control, and details were obtained of the quality and composition of the materials used.

17.2 Visits were made to sites covering a variety of situations to assess practicability of installation and performance of the product in use.

17.3 A user survey of contractors was conducted to assess the product's workability, ease of application and performance in service.

17.4 An assessment of independent test data to BS 476-4 : 1970(1984) was made to establish the product's behaviour in fire.

17.5 A re-examination was made of the test data and investigations used in the assessments leading to the issue of previous Certificates Nos 84/1327 and 88/1976. The original conclusions remain valid.

17.6 An assessment was made of the product's durability and scope of use.

17.7 No failure of the product in use has been reported to the BBA.

Additional Information

The management systems of Sovereign Chemical Industries Ltd have been assessed and registered as meeting the requirements of BS EN ISO 9002 : 1994 by the British Standards Institution Quality Assurance (Certificate No FM 00661).

Bibliography

BS 476 *Fire tests on building materials and structures*

BS 476-4 : 1970(1984) *Non-combustibility test for materials*

BS 5492 : 1990 *Code of practice for internal plastering*

BS 6576 : 1985 *Code of practice for installation of chemical damp-proof courses*

BS 8000 *Workmanship on building sites*
BS 8000-10 : 1995 *Code of practice for plastering and rendering*

BS EN ISO 9002 : 1994 *Quality systems. Model for quality assurance in production, installation and servicing*

Conditions of Certification

18 Conditions

18.1 This Certificate:

- (a) relates only to the product that is described, installed, used and maintained as set out in this Certificate;
- (b) is granted only to the company, firm or person identified on the front cover — no other company, firm or person may hold or claim any entitlement to this Certificate;
- (c) has to be read, considered and used as a whole document — it may be misleading and will be incomplete to be selective;
- (d) is copyright of the BBA.

18.2 References in this Certificate to any Act of Parliament, Regulation made thereunder, Directive or Regulation of the European Union, Statutory Instrument, Code of Practice, British Standard, manufacturers' instructions or similar publication, shall be construed as references to such publication in the form in which it was current at the date of this Certificate.

18.3 This Certificate will remain valid for an unlimited period provided that the product and the manufacture and/or fabricating process(es) thereof:

- (a) are maintained at or above the levels which have been assessed and found to be satisfactory by the BBA;

(b) continue to be checked by the BBA or its agents; and

(c) are reviewed by the BBA as and when it considers appropriate.

18.4 In granting this Certificate, the BBA makes no representation as to:

- (a) the presence or absence of any patent or similar rights subsisting in the product or any other product;
- (b) the right of the Certificate holder to market, supply, install or maintain the product; and
- (c) the nature of individual installations of the product, including methods and workmanship.

18.5 Any recommendations relating to the use or installation of this product which are contained or referred to in this Certificate are the minimum standards required to be met when the product is used. They do not purport in any way to restate the requirements of the Health & Safety at Work etc Act 1974, or of any other statutory, common law or other duty which may exist at the date of this Certificate or in the future; nor is conformity with such recommendations to be taken as satisfying the requirements of the 1974 Act or of any present or future statutory, common law or other duty of care. In granting this Certificate, the BBA does not accept responsibility to any person or body for any loss or damage, including personal injury, arising as a direct or indirect result of the installation and use of this product.



In the opinion of the British Board of Agrément, Sovereign Renderlite Renovating Plaster is fit for its intended use provided it is installed, used and maintained as set out in this Certificate. Certificate No 91/2727 is accordingly awarded to Sovereign Chemicals Limited.

On behalf of the British Board of Agrément

Date of Second issue: 11th December 2001

Chief Executive

**Original Certificate issued on 22nd November 1991. This amended version includes reference to revised Standards, Building Regulations, CDM Regulations and new Conditions of Certification.*