

EWI-040 SILICONE SILICATE RENDER

Silicone Silicate Render is the best value silicone enhanced render on the market in the UK. The render will form a long lasting, aesthetically-pleasing protective barrier on the external surface of any building.

Silicone Silicate Render is very flexible, highly breathable and resistant to mechanical impact and UV rays. It is through-coloured and can be tinted to cover an extensive range of colours.

This decorative render is ideal for external rendering works and once it has set firm, has excellent water and frost resistance. Silicone Silicate Render is hydrophobic, therefore has self-cleaning properties.

Intended Uses.

Silicone Silicate Render should be installed on top of the reinforced basecoat layer (typically EWI-220 EPS Basecoat or EWI-225 Premium Adhesive with embedded Fibreglass Mesh) to ensure the system is durable and will withstand cracking during any movements within the underlying substrate.

The Silicone Silicate Render can be used as a stand-alone 'render only' finish or in the EWI Pro External Wall Insulation Systems. Silicone Silicate Render is a decorative render, available in 1mm, 1.5mm, 2mm & 3mm grain size. It can be applied by hand or mechanically sprayed.



Technical Specification

Composition

Potassium water glass, silicone emulsions, dispersion of acrylic polymer, fillers, modifying admixtures, pigments

Granulation

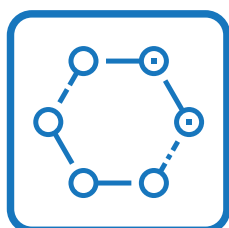
1mm, 1.5mm, 2mm or 3mm

Relative diffusion resistance (non-trowelled 3 mm thick layer)

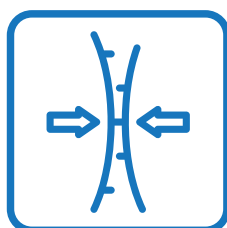
≤ 0.13 m

Water absorption after 10 hours

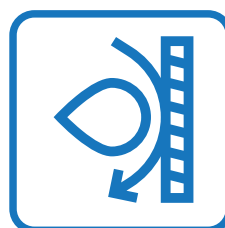
≤ 360 g/m²



POLYMER MODIFIED



HIGH ELASTICITY



HYDROPHOBIC



VAPOUR PERMEABLE

Directions for use.

Substrate Preparation

Before applying the render, the basecoat layer needs to be primed using EWI-333 top coat primer. This can be applied to the substrate using a brush, a roller or a spray machine.

Product Preparation

Silicone Silicate Render comes as a through-coloured, ready-to-use product. In order to create coloured Silicone Silicate Render, EWI Pro add pigments to the render buckets prior to delivery. Always check the colour matches the order. The render should not be thinned with water or any other products.

Application

Apply the render onto the substrate using a stainless-steel trowel. The optimal thickness of the render is equal to the grain size and is achieved by removing any excess product from the substrate. To ensure an even-textured finish, immediately rub up the surface of the render using circular motions with a plastic render float.

All pigments are added using a highly calibrated mixing machine, however minor discrepancies may occur between batches. As a result, for each elevation, we recommend using a large primary container which can hold multiple buckets of coloured render. This should be continually topped up and remixed using a paddle mix throughout render application.

Works must be protected from rain, snow, strong winds and direct sunlight. The average drying time for Silicone Silicate Render is 12-48 hours depending on weather conditions. The drying period may be significantly longer in low temperature.

Clean-up

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

Compliance with Standards

PN-C-81913:1998 Dispersion paints for facade painting. European Technical Approvals ETA – 15/0576 and ETA – 15/0575
BBA Approval Inspection Testing Certificate 18/5503

Storage

12 months when stored unopened in a dry environment above 5°C

Packaging

25kg Bucket

Safety Measures

Wear protective goggles, gloves, respiratory equipment and protective clothing when mixing and using this product. Avoid contact with the eyes. In the event of eye contact, wash the affected area with plenty of cold water as soon as possible and seek medical attention. Do not ingest. Keep out of reach of children. Refer to material safety sheet for further information regarding first aid and protection recommendations. Contact with wet cement may cause irritation, dermatitis or burns. For further details, refer to our Health & Safety Data Sheets

Application Conditions

Substrate primer

EWI-333 Top Coat Primer

Application and setting temperature

5°C to 25°C

Maximum Layer Thickness

1-3mm

Drying Time

12-48 hours