

EWI-076

Premium Bio Silicone Render

The Premium Bio Silicone render is one of the most progressive renders within our range boasting outstanding properties that ensure its high performance. Our Premium Bio Silicone Render is elastic and durable with advanced self-cleaning agents which actively break down organic growth on the surface of the render. Premium Bio Silicone is impact resistant and vapour permeable, allowing moisture to escape from the substrate and minimising the risk of cracking.

Intended Uses.

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

The Premium Bio Silicone Render can be used as a stand-alone 'render only' finish or in the EWI Pro External Wall Insulation Systems on either EPS or mineral wool.

Premium Bio Silicone 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

Water dispersion of silicone polymer, modifying supplements, mineral fillers, refining agents, pigments.

Granulation

1.0mm, 1.5mm, 2.0mm, 3.0mm.

Relative diffusion resistance

(non-trowelled 3 mm thick layer)

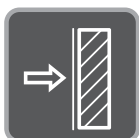
≤ 0.13 m

Water absorption after 10 hours

≤ 360 g/m²

Quantity to be used

Texture	Indicative quantity to be used per 1m ² with grain size distribution		
Grain size	1.5mm	2.0mm	3.0mm
kg/m ² coverage	1.7 kg	2.4 kg	3.7 kg



GOOD
ADHESION



WATER
RESISTANT



FROST
RESISTANT



HIGH
ELASTICITY



VAPOUR
PERMEABILITY



HYDROPHOBIC

Directions for use.

Substrate Preparation

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

Product Preparation

Premium Bio Silicone Render comes as a through-coloured, ready-to-use product. In order to create coloured Premium Bio Silicone 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 using a stainless-steel trowel to the substrate surface. 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 Premium Bio Silicone Render is 12-48 hours depending on weather conditions. The drying period may be significantly longer in low temperature and high relative humidity.

Application Conditions

Maximum layer thickness	1-3mm
Shelf life after mixing with water	2 hours (at +20C)1-3mm
Drying time	12-48 hours
Colours	a range of 380 colours

Packaging

25 kg bucket.

Storage

Shelf life: up to 12 months from the date of manufacture.
Keep dry and in the original undamaged packaging.

Safety measures

Avoid contact with skin. Wear eye protection. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Clean-up

Wash tools immediately with clean water.

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