

# EWI-075 Silicone Render



Silicone Render is the most popular render in the EWI Pro range. The render will form a long lasting, aesthetically-pleasing protective barrier on the external surface of any building.

Silicone 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 Render is hydrophobic, self-cleaning and has a resistance to biological growth, meaning that once installed it requires minimal aftercare.

## Intended Uses.

Silicone render should be installed on top of the reinforced basecoat layer (typically EWI-220 Basecoat Adhesive or EWI-225 Premium Adhesive with embedded EWI-66640 Fibreglass Mesh) to ensure the system is durable and will withstand cracking during any movements within the underlying substrate. The 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. 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

silicone emulsions, dispersion of acrylic polymer, fillers, modifying admixtures, pigments

### Bulk density

approx. 1.84 g/cm<sup>3</sup>

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

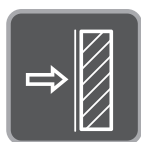
≤ 0.13 m

### Water absorption after 10 hours

≤ 360 g/m<sup>2</sup>

## Quantity to be used

Texture	Indicative quantity to be used per 1m <sup>2</sup> with grain size distribution			
Grain size	1.0mm	1.5mm	2.0mm	3.0mm
kg/m <sup>2</sup> coverage	2.1 kg	2.4 kg	3.5 kg	5.0 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 Primer. This can be applied to the substrate using a brush, a roller or a spray machine.

## Product Preparation

Silicone Render comes as a through-coloured, ready-to-use product. In order to create coloured 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 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

### Substrate primers

EWI-333 Top Coat Primer

### Application and setting temperature (air, substrate, materials):

from +5°C to +25°C

### Grain size distribution

1.0, 1.5, 2.0 and 3.0mm.

### Colours

a range of 380 colours

## Packaging

25 kg plastic containers.

## 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. After contact with skin, wash with water. Wear suitable protective gloves and clothing.

## 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

