

# EWI-090

# Monocouche Scratch Render

EWI-090 Monocouche Scratch Render is a one coat, polymer-modified render. EWI-090 is through-coloured and applied in two passes, with a Fibreglass Mesh embedded within the first pass. This product is great for use as a render-only system and is available in a range of 18 different colours to provide an aesthetically pleasing finish. The Monocouche Scratch Render comes in 25kg bags as a dry mix, so requires the addition of water prior to application.

## Intended Uses.

The Monocouche Scratch Render is intended for use as part of an external decorative finish on top of new-build brickwork, blockwork and refurbishment projects. It is unsuitable for substrates with a poor key, flat and smooth concrete, painted surfaces, engineering brick, render carrier board and gypsum plaster. EWI-090 is suitable for use with a spray machine and can be applied in colder or more humid conditions.



## Technical Specification

### Composition

silicates, aggregates, aluminates, mineral fillers, controlling admixtures, polymers and pigments

### Bulk density (dry mixture)

1200 - 1600 kg/m<sup>3</sup>

### pH

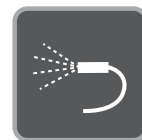
12-14 when wet

### Solubility in Water

<2%



THROUGH  
COLOURED



SUITABLE FOR SPRAY  
APPLICATION



WATER  
RESISTANT



ONE COAT  
APPLICATION

# Directions for use.

## Substrate Preparation

All substrates must be clean, dry and dust-free. To help aid adhesion, we recommend priming the substrate with the EWI-310 Universal Primer. Ensure that the substrate is even before application; to level an uneven surface, we recommend applying the EWI-269 Lightweight Basecoat with an embedded layer of Fibreglass Mesh.

## Product Preparation

Each 25kg bag of Monocouche Scratch Render should be mixed with 5.5 litres of clean, cool water – no other materials should be added. You should then mix the product using either a mechanical mixer or a paddle mixer for around 5 minutes until the materials are fully combined. Do not over-mix or over-trowel the product, as this can reduce the adhesive capabilities of the material and will therefore decrease its effectiveness.

## Application

EWI-090 Monocouche Scratch Render should be applied to an even, clean substrate in two passes, using a spray machine or a trowel. The total thickness should come to 19mm after a first pass of 5-7mm and a second pass of 12-14mm. The Fibreglass Mesh should be embedded into the render in the first pass, and the second pass should be applied before the first has fully set to allow the two layers to bond together. Before the second pass has full set, the render should be lightly scraped in a circular motion using a render scratch float – the applicator should remove between 2-3mm of render to achieve the desired finish.

Depending on the weather conditions, EWI-090 should take 28 days or more to reach optimal strength. Monocouche Scratch Render should not be applied in rain or humid conditions, or if there is a chance of rain or frost during or immediately after application.

## Application Conditions

### Substrate primer

EWI-310

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

from +5°C to +25°C

### Water mix proportions

approx. 5.5l of water per 25 kg of dry mix

### Time to use after mixing with water

about 2 hours (temperature +20°C and air humidity approx. 60%)

### Quantity to be used

approx. 25 kg/m<sup>2</sup>

## Packaging

25 kg bag.

## Storage

Shelf life: up to 12 months from the date of manufacture.

Keep dry and in the original undamaged packaging.

## Safety Measures

Alkaline pH after mixing with water. 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.

