

EWI-090

Monocouche Scratch Render

The EWI Monocouche Scratch Render is a one coat, polymer modified dry mix render, which is through coloured and applied in two passes. It is recommended that fibreglass mesh is embedded within the first pass to provide extra strength.

This render 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 as a dry mix so requires the addition of water prior to application. Since the product is polymer modified, the second pass needs to be applied before the first layer has gone off to allow the chemical bonds to form.

This EWI Monocouche Scratch Render comes in 25kg bags and is suitable for spray application and one coat application. It can also be applied in colder or more humid conditions.

Intended Uses.

The Monocouche Scratch Render is intended for use as part of an external decorative finish on top of new build brick and block work, refurbishment projects and brick or block work which has been correctly prepared. It is unsuitable for substrates with a poor key, flat and smooth concrete, painted surfaces, engineering brick, render carrier board and gypsum plaster.



Technical Specification

Composition

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

Bulk density (dry mixture)

1200 - 1600 kg/m³

pH

12-14 when wet

Solubility in Water

<2%



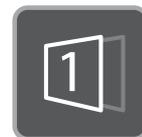
THROUGH
COLOURED



SUITABLE FOR SPRAY
APPLICATION



WATER
RESISTANT



ONE COAT
APPLICATION

Directions for use.

Substrate Preparation

If the original substrate does not have a good mechanical key for rendering onto, an artificial key must be created prior to application. To help prepare the substrate we recommend using the EWI-310 Universal Primer. One coat application will be sufficient to prepare an abrasive surface for the render to key onto.

The Monocouche scratch render must be applied to a surface which is clean and free of debris and dust. Ensure that the substrate is even before application.

To level an uneven surface, we recommend applying the EWI-225 Premium Adhesive embedding in a layer of flexible fibreglass mesh. This layer should be no more than 6mm.

Product Preparation

A 25kg bag of EWI Monocouche Scratch Render should be mixed with 5.5 litres of clean, potable water – no other materials should be added. You should then mix the Monocouche Scratch Render with either a mechanical mixer or manually with a paddle mixer for around 5 minutes until it is the correct consistency for application and to allow for the dispersion of binders and additives. Do not over mix or over trowel as this will reduce the adhesion properties of the material and will therefore reduce its effectiveness.

Application

The EWI Monocouche Scratch Render should be applied to an even, clean substrate using a spray machine or a trowel in two passes. The total thickness should come to 19mm after a first pass of 5-7mm and a second pass of 12-14mm. If you are also embedding the fibreglass mesh into the render, you can choose to do this on the first pass. The second pass should be applied before the first has fully set so as to allow the two layers to bond together. Once the second pass of render has set but not fully hardened, the surface should be lightly scraped in a circular motion using render scratch float. The applicator should remove between 2-3mm of render to achieve the desired finish.

When applied correctly at a thickness of 19mm, one 25kg bag of Monocouche Scratch Render should cover approximately 1m². Depending on the weather conditions, the Monocouche Scratch Render should take 28 days or more to reach optimal strength and should have a minimum life expectancy of 10 years.

It is recommended that the Monocouche Scratch Render is not applied in rain or humid conditions, or if there is a chance of rain or frost during the application or within 24 hours of application. Do not carry out the render process in cold weather if the materials or the substrate are frozen or if the temperature is 5 degrees or below. Rendering should also not take place if the temperature is 30 degrees or higher, in full sun, where there is a risk of flash dehydration – where curing is impossible and fast drying will occur.

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/m²

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

The substance will form an alkaline substance after mixing with water, therefore it is imperative to 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.

