

EWI-090

# Monocouche Scratch Render

Monocouche Scratch Render is a cement-based, through-coloured scratch render. This high-performance decorative render has been designed with water-repellence, breathability, and durability in mind. Monocouche Scratch Render is a thick coat render that is applied in two passes. The material base is comprised of Portland cement, hydrated lime, polymers and modifying admixtures.

The polymer-modified admixtures enhance the adhesive characteristics of this product, delivering a flexible and highly crack resistant finish to the property's exterior. This product's through-coloured properties also ensure a low maintenance, decorative finish with a natural stone-like appearance, is achieved.

## Intended Uses.

Monocouche Scratch Render provides residential and commercial buildings with a breathable, decorative finish. Monocouche render is a thick coat render which needs applying to clean, primed substrates in two passes. Fibreglass mesh should be embedded within the layer during the first pass. This product is suitable for concrete, clay, block and brick substrates.



## Technical Specification

### Composition

Portland cement, hydrated lime, polymers, modifying admixtures

### Bulk density (dry mix)

1650 kg/m<sup>3</sup>

### Adhesion

≥ 2.0 N/mm<sup>2</sup> (FP) B

### Thermal conductivity

(λ10, dry) 0.82 W/mK (tab. mean value; P = 50%)

### Reaction to fire

A

## 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



THROUGH  
COLOURED



HIGH  
POLYMER



BREATHABLE AND  
WATERPROOF



QUICK TO  
APPLY



MODERN & TRADITIONAL  
PROPERTIES



ADHERES TO  
MASONRY SURFACES

# Directions for use.

## Substrate Preparation

When applying Monocouche Scratch Render, all surfaces should be clean, dry, and free from any material which may impair application. Scaffolding must be independently tied to allow for uninterrupted application. Any faults in the structure, particularly those that may lead to moisture penetration, must be amended. Apply masking tape around the areas where the render is to be applied. Ensure masking tape is removed before the render dries out. Beading and expansion joints should be included according to substrate requirements and Building Standards regulations.

Before application onto to concrete block, clay, brick or block, the substrate should be primed with a suitable primer such as the EWI-310 Universal Primer.

## Product Preparation

Pour the 25kg dry mix bag into approximately 4.5-5 litres of clean, potable water. Mix thoroughly with a paddle mix for 2 minutes, leave to stand for 2 minutes and then re-mix to ensure the additives are activated and a consistent texture is achieved. Once mixed, the product is ready for application.

Please note that Monocouche Scratch render may stiffen on standing. To rectify this, simply re-mix the product (without adding water) to regain a workable consistency.

## Application

When applying to concrete block, clay, block or brick, prime the surface with EWI-310 Universal Primer. To avoid dampness and discolouration, rendering should be avoided below the DPC or within 150mm of ground level. EWI Pro Monocouche Scratch Render should be applied in 2 passes to a total depth of 17mm and scratched back to 15mm for the final finish.

The first pass should be applied to the primed substrate with a stainless-steel trowel or spray pump. Fibreglass mesh should be embedded within the first pass and it should be ensured that mesh is overlapped 100mm at the mesh joints. To ensure extra protection against stress, additional fibre-reinforcing stress patches of 500 x 500mm should be applied at all openings, i.e., at windows, doors and all window reveals. The second pass should then be applied to a thickness of approximately 9mm, wet on wet to the first pass and then levelled flat.

The render should be left to harden for 3-16 hours. Once hardened, the monocouche render can be scraped with a scraping float in a tight, circular movement – removing 2mm from the surface. Then, use a light, soft brush to remove loose material and scrape to avoid colour variation. The drying time may vary depending on weather conditions and temperatures.

## Application Conditions

### Substrate primer

EWI-310 Universal Primer

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

from +5°C to +25°C

### Water mix proportions

Approx. 4.5 – 5l of water per 25kg of dry mix

### Time to use after mixing with water

1 hour+

### Quantity to be used

1.6kg per mm/m<sup>2</sup>

### Min/max thickness

15mm

## Packaging

25 kg bag.

## Storage

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

Store unopened, in original packaging, and in a cool, dry place.

## 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

Ensure all equipment is washed with clean water immediately after use. Any waste material should not be emptied into drainage systems, and should be disposed of correctly.