

EWI-060 Mineral Render

This product is a cement-based render, perfect for external plastering works. Mineral Render is based on Portland cement, texturing aggregate, mineral fillers and hydrated lime. Once the mass is set firm and hard, it has excellent water and frost resistance. It is highly breathable, adhesive, elastic and durable. Mineral Render also offers colour stability and is resistant to weather conditions and other contaminants. Suitable to use in mid-winter application and in mild climates.

Intended Uses.

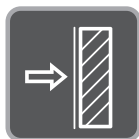
Mineral render should be installed on top of the reinforced basecoat layer (typically EWI-220 Basecoat Adhesive or EWI-225 Premium Adhesive with embedded EWI-66640 Fibreglass Mesh) to ensure the system is durable and will withstand cracking during any movements within the underlying substrate. The mineral 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. Mineral Render is a decorative render, available in 1mm, 1.5mm, 2mm & 3mm grain size. It can be applied by hand or mechanically sprayed.



WATER
RESISTANT



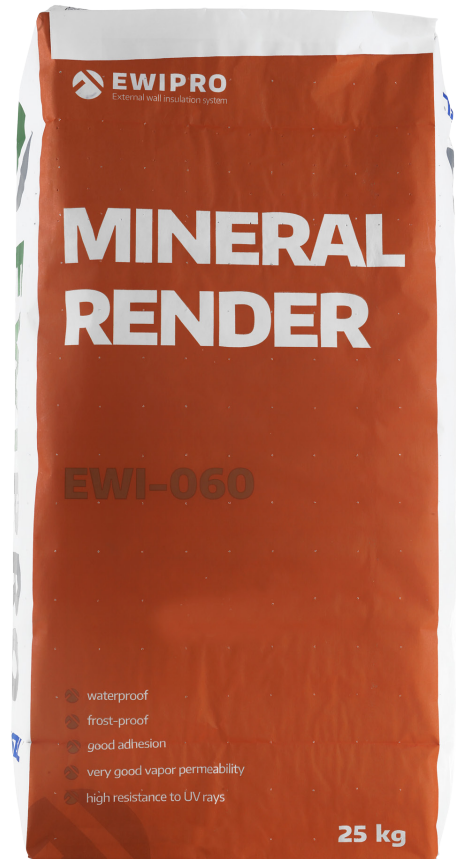
FROST
RESISTANT



GOOD
ADHESION



VAPOUR
PERMEABILITY



Technical Specification

Composition

mineral binding agents, mineral fillers, modifying additives

Bulk density (dry mixture)

about 1.40 g/cm³

Adhesion to concrete (air-dry)

≥ 0.3 MPa

Adhesion to polystyrene

≥ 0.08 MPa
(rupture in thermal insulation material)

Soluble chromium (VI) concentration

≤ 0.0002%

Compliance with Standards

PN-C-81913:1998 Dispersion paints for facade painting.

European Technical Approvals ETA – 07/0118 and ETA – 07/0192,

BBA Approval Inspection Testing Certificate 15/5271

Directions for use.

Substrate Preparation

Before applying the render, the basecoat layer needs to be primed using EWI-330 Mineral / Acrylic Primer. This can be applied to the substrate using a brush, a roller or a spray machine. Pour the dry mix into water maintaining the proportion of 6.5 litres of water per 25kg of dry mix; then mix thoroughly with a mixer to produce a consistent texture. Leave for 5 minutes and then mix again before the product is ready for application.

Product Preparation

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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. Allow the render to dry completely before applying the final coat of Silicone paint. Works must be protected from rain, snow, strong winds and direct sunlight.

The average drying time for Acrylic render is 12-48 hours depending on weather conditions. The drying period may be significantly longer in low temperatures and high relative humidity.

Application Conditions

Substrate primer
EWI-330
Application and setting temperature (air, substrate, materials):
from +5°C to +25°C
Water mix proportions
approx. 6.5 l 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
2.4kg / m ² for 1.5mm render

Packaging

25 kg bags.

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.

Texture	Indicative quantity to be used per 1m ² with grain size distribution			
	1.0mm	1.5mm	2.0mm	3.0mm
Grain size	1.0mm	1.5mm	2.0mm	3.0mm
kg/m ² coverage	2.1 kg	2.4 kg	3.5 kg	5.0 kg