EWIPRO Render Systems

EWI-060
MINERAL RENDER
PRODUCT DATA SHEET

EWI-060 Mineral Render is a cement-based, thin-layer decorative topcoat designed for external applications where a breathable and durable mineral finish is required. It provides good adhesion, weather resistance and a traditional mineral appearance, making it suitable for both new-build and refurbishment projects.



Intended Uses

EWI-060 Mineral Render is intended for use as a thin-layer external decorative finish over suitably prepared reinforced basecoat layers. It can be used within render-only and external wall insulation systems where a mineral finish is required. Once cured, the render should be finished with a suitable façade paint to provide the final decorative colour and additional surface protection.

Technical Specification

Composition	White Portland cement, lime, additives, mineral fillers and texturing aggregate
Quantity Per Unit	25kg
Colour	White
Grain Size	1.5mm
Consumption	Approx. 2.5kg/m²
Application Thickness	Apply at the 1.5mm grain size
Recommended Thickness	Apply at the 1.5mm grain size
Coverage Rate	Approx. 10m² per 25kg bag
Dry Bulk Density	Approx. 1.4g/cm³
Water Mix Proportions	Approx. 7 litres of clean water per 25kg bag

Application Temperature	+5°C to +25°C
Working Time	Approx. 10 minutes
Drying Time	Approx. 24–48 hours
Sd Value	≤ 0.26m
Capillary Water Absorption	≤ 0.5kg/m²
Adhesion to Concrete	≥ 0.3MPa
Adhesion to Polystyrene	≥ 0.08MPa
Organic Content	0.84%
Reaction to Fire	Class A1
Soluble Chromium VI Content	≤ 0.0002%

Please note: Thickness, consumption, coverage and time figures are indicative only and may vary depending on the substrate, application method and site conditions.

Please see the reverse of this page for directions for use.

Directions for use

Substrate Preparation

The substrate must be load-bearing, stable, even and clean, and should be free from dust, grease, loose material, paint residues, mould, algae, moss, saline efflorescence and any other contaminants that may affect adhesion. Where required, use a suitable primer according to the substrate type, condition and absorbency. Very absorbent substrates should be appropriately primed to regulate suction before application. Reinforced basecoat layers and other suitable mineral substrates should be fully cured and appropriately prepared before application.

Product Preparation

Gradually add the dry mix to approximately 7 litres of clean, cool water per 25kg bag and mix by hand or using a low-speed mixer until a smooth, homogeneous and lump-free consistency is achieved. Allow the material to stand for approximately 5 minutes, then remix briefly before application. Use a consistent water dosage for each mix to help maintain an even finish. Do not add additional water to material that has started to set and do not remix hardened material.

Application

Apply EWI-060 Mineral Render evenly to the prepared substrate using a stainless steel trowel and remove excess material until the applied thickness corresponds to the 1.5mm grain size. Finish the surface using a plastic render float to achieve the required textured finish. Work continuously across each elevation using a wet-on-wet method to minimise visible joints and, where possible, complete each elevation using material from the same production batch. For mechanical application, apply the render using suitable spray equipment until the surface is evenly covered. Once the render has fully dried, finish with a suitable façade paint in the required colour.

Application Conditions

Apply between +5°C and +25°C. These temperatures apply to the air, substrate and product. During application and drying, protect the surface from frost, rain, excessive heat, direct sunlight and strong winds, using suitable scaffold sheeting or other protection where required. Drying time is approximately 24–48 hours depending on site conditions, while the period before painting may vary according to the selected paint system, weather conditions and render thickness.

Clean-up

Clean tools and equipment with clean water immediately after use. Once hardened, the material can only be removed mechanically.

Packaging & Storage

EWI-060 Mineral Render is supplied in 25kg bags. Store unopened in the original packaging in dry conditions and protect from moisture. Shelf life is up to 12 months from the date of manufacture when stored correctly.

Compliance with Standards

N/A

Safety Measures

Wear suitable protective gloves, eye protection, protective clothing and a suitable mask during preparation and application. Wet mortar may irritate or burn the skin and eyes. Remove contaminated clothing immediately and wash affected skin thoroughly with clean water. In the event of eye contact, rinse cautiously with clean water and seek medical advice where necessary. Refer to the latest Safety Data Sheet for full handling, first aid and disposal information.

General Information

This data sheet replaces all previous editions. The information provided is based on current knowledge and practical experience, and while it has been compiled with care, it is not guaranteed to be accurate, complete or suitable for all applications. It is the responsibility of the user to verify the product's suitability for their specific use case. No legal obligations are established by this document.

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