EWIPRO Render Systems

EWI-212

HIGH POLYMER RENDER COAT

PRODUCT DATA SHEET



EWI-212 High Polymer Render Coat is a polymer-modified, cement-based render designed for hand or machine application. It can be used as a render coat and levelling layer over a wide range of suitable mineral backgrounds, providing good workability, adhesion and flexibility. Where required, fibreglass mesh can be incorporated into the render to provide additional reinforcement beneath subsequent finishes.

Intended Uses

EWI-212 High Polymer Render Coat is suitable for use over mineral substrates including blockwork, masonry, stone, concrete, aerated concrete, ceramic units, calcium silicate blocks and suitably prepared existing renders. It is particularly suited to dense or challenging backgrounds where a reliable bonding render is required. EWI-212 is not intended for use as an insulation adhesive.

Technical Specification

Composition	Portland cement, hydrated lime, quartz aggregate and performance-enhancing additives
Quantity Per Unit	25kg
Consumption	Approx. 1.8kg/m²/mm
Minimum / Maximum Thickness	5–20mm
Recommended Thickness Per Pass	Approx. 10mm
Coverage Rate	Approx. 2.8m² per 25kg bag at 5mm thickness to approx. 0.7m² per 25kg bag at 20mm thickness

Water Mix Proportions	Approx. 6.5L of clean water per 25kg dry mix
Application Temperature	+5°C to +25°C
Working Time	Approx. 2–4 hours
Drying Time	Dependent on thickness and site conditions
Compressive Strength Class	CS II
Soluble Chromium (VI) Concentration	≤ 0.0002% (2 ppm)

Recommended Thickness by Substrate

Substrate	Recommended Thickness	Coverage Rate
Brick / Block	10mm	Approx. 1.4m² per 25kg bag
Pebbledash	15mm	Approx. 0.9m² per 25kg bag
Existing Render	6mm	Approx. 2.3m² per 25kg bag

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 sound, stable, properly cured and free from dust, dirt, loose material, grease, release agents and any other contaminants that may affect adhesion. Weak or poorly bonded areas should be removed and repaired before application. Apply a suitable primer according to the substrate type, condition and absorbency, following the relevant product instructions before applying EWI-212.

Product Preparation

Gradually add one 25kg bag of EWI-212 to approximately 6.5 litres of clean water and mix mechanically until a smooth, homogeneous and lump-free consistency is achieved. Allow the mixed material to stand for approximately 5 minutes before remixing thoroughly. The quantity of water may be adjusted slightly where required to achieve a suitable working consistency, but excessive water should be avoided. Material that has begun to set must not be retempered with water or mixed with fresh material.

Application

Apply EWI-212 by trowel or suitable spray machine to the prepared substrate at a thickness of between 5mm and 20mm. Where reinforcement is required, comb the freshly applied render using a suitable notched trowel before embedding fibreglass mesh into the wet material. Ensure the mesh is fully covered and overlap adjoining sections by approximately 100mm. Level the surface with a straight edge and finish as required. Where a subsequent finish requires additional key, the surface may be lightly textured while the material remains workable.

Application Conditions

Apply only when the air, substrate and material temperatures are between +5°C and +25°C. The substrate should be adequately cured, stable and dry before work begins. Do not apply to damp, unstable or deformable backgrounds. During application and curing, protect the material from frost, rain, excessive temperatures and rapid drying. Appropriate protective sheeting should be used where required.

Drying time will vary depending on the applied thickness, temperature, humidity, substrate and site conditions.

Clean-up

Clean tools, mixing equipment and application equipment with clean water immediately after use and before the material hardens. Hardened material should be removed mechanically. Waste material must not be disposed of into drainage systems.

Packaging & Storage

EWI-212 High Polymer Render Coat is supplied in 25kg bags. Store unopened in the original, undamaged packaging in dry, well-ventilated conditions, off the ground and protected from moisture. Avoid storage below +5°C. When stored correctly, shelf life is up to 12 months from the date of manufacture.

Compliance with Standards

EWI-212 High Polymer Render Coat complies with EN 998-1 and is classified as a CS II render mortar.

Safety Measures

Wear suitable protective gloves, protective clothing and eye protection during mixing and application, with suitable respiratory protection where dust may be generated. Wet mortar may irritate or burn the skin and eyes, so direct contact should be avoided. In the event of eye contact, rinse immediately and thoroughly with clean water and seek medical advice. Remove contaminated clothing promptly and wash affected skin thoroughly. Refer to the relevant 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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