

EWI-212

HIGH POLYMER RENDER COAT

PRODUCT DATA SHEET

EWI-212 High Polymer Render Coat is a high-performance, polymer-modified, cement-based render. Suitable for hand or machine application, it is designed for use as a durable render coat and levelling layer on a wide range of mineral backgrounds. It offers strong adhesion, good workability, water and frost resistance, vapour permeability, flexibility, and improved resistance to cracking. Where required, it can also be reinforced with fibreglass mesh for added strength and stability beneath subsequent finishes.

Intended Uses

EWI-212 High Polymer Render Coat is suitable for use over substrates such as blockwork, masonry, stone, concrete, aerated concrete, ceramic units, calcium silicate blocks, and suitably prepared existing renders, and is particularly useful where a strong, reliable bonding layer is required on dense or challenging backgrounds.

EWI-212 High Polymer Render Coat is not intended for use as an insulation adhesive or basecoat.



Technical Specification

Composition

Portland cement, hydrated lime, quartz aggregate, performance-enhancing additives.

Colour

Grey

Consumption

Approx. 1.8kg/mm/m²

Soluble chromium VI content

≤ 0.0002% (2 ppm)

Application and setting temperature

Apply between 5°C and 25°C

Water mix proportions

Approximately 6.5 litres of clean water per 25kg bag

Working Time

Approx. 2-4 hours (Depends on external conditions)

Minimum/Maximum Layer Thickness

5-20mm

Drying Time

Dependent on layer thickness and site conditions

Please note: These figures may vary based on the substrate and application method.

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

Directions for use

Substrate Preparation

Substrates must be sound, stable, properly cured, and free from dust, dirt, loose material, grease, release agents, and other contaminants that could affect adhesion. Any weak or non-loadbearing sections should be removed before application. High-suction mineral substrates should be primed with EWI-301 Water-Based Primer, while smooth or low-suction backgrounds can be prepared with EWI-310 Universal Primer where additional key is needed. Primers should be allowed to dry fully before render application begins.

Product Preparation

Add the dry powder gradually to clean, cool water at approximately 6.5 litres per 25kg bag and mix mechanically until a smooth, lump-free consistency is achieved. Leave the material to stand for around 5 minutes, then remix thoroughly before use. The amount of water may be adjusted slightly to suit site conditions, but overwatering should be avoided. Once the material has started to set, it must not be retempered with water or mixed with fresh product.

Application

Apply EWI-212 High Polymer Render Coat by trowel or suitable spray machine to the prepared substrate at a thickness of 5-20mm. Where mesh reinforcement is required, the freshly applied render should be combed with a notched trowel, the mesh embedded while the material is still wet, and the surface smoothed until the mesh is fully covered. Mesh joints should overlap by approximately 100mm. The surface should then be levelled with a straight edge and finished as required. Final floating can be carried out once the material has begun to take up. Where a subsequent finish requires a key, the surface may be lightly textured while still workable.

Application Conditions

Application should be carried out only when the air, substrate and material temperature are between +5°C and +25°C. Rendering should begin only after the substrate has completed its initial settlement, shrinkage, and drying period. Do not apply to damp, unstable, or deformable backgrounds. During application and curing, protect the render from frost, rain, excessive heat and rapid drying. In unfavourable weather, protective sheeting should be used on façades, and light misting with clean water may be required to support proper curing.

Clean-up

Tools, mixing equipment, and application tools should be cleaned with clean water immediately after use. Any hardened material should be removed mechanically. Waste material must not be emptied into drainage systems.

Packaging & Storage

EWI-212 High Polymer Render Coat is supplied in 25kg bags. Store in dry, well-ventilated conditions, off the ground, in unopened and undamaged packaging. Protect from moisture and 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 CS II render mortar. The declared soluble chromium VI content is $\leq 0.0002\%$ (2 ppm).

Safety Measures

Wear suitable PPE including gloves, eye protection, protective clothing, and a suitable dust mask where necessary. 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. Contaminated clothing should be removed promptly, and skin should be washed thoroughly after contact. For full handling and safety information, refer to the relevant Safety Data Sheet.

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.

Data Sheet Revision Date: 14/04/2026



Address:

Unit 1-2 King George's Trading Estate,
Davis Road,
Chessington,
England,
KT9 1TT

Email:

info@ewipro.com

Phone:

0800 133 7072



EWIPRO



www.ewipro.com