EWIPRO Render Systems

EWI-002

SILICATE PAINT

PRODUCT DATA SHEET



EWI-002 Silicate Paint is a breathable mineral coating based on potassium water glass, designed for internal and external use on compatible mineral backgrounds. It provides a matt finish while allowing moisture vapour to pass through the wall construction.

Its mineral formulation makes it suitable for façades, traditional masonry and other applications where breathability and long-term compatibility with mineral substrates are important.

Intended Uses

EWI-002 Silicate Paint is intended for use on compatible mineral surfaces including lime-cement render, concrete and mineral plaster.

It may also be used within suitable external wall insulation systems and on older or heritage buildings where a vapour-permeable decorative coating is required.

Technical Specification

Composition	Potassium water glass, titanium dioxide, mineral fillers, pigments, polymer dispersion, additives and water
Quantity Per Unit	5L or 15L
Gloss Level	Matt
Consumption	Approx. 0.225L/m² per coat
Coverage Rate	Approx. 22m² per 5L bucket per coat, Approx. 67m² per 15L bucket per coat
Density	Approx. 1.45g/cm³

pH	Approx. 9
Organic Content	8.82%
Sd Value	Approx. 0.031m
Wet Abrasion Resistance	≥ 5,000 cycles
Application Temperature	+5°C to +25°C
Drying Time	Approx. 12 hours at +20°C

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, clean, dry and stable, and free from dust, dirt, grease, oils, biological growth, loose material and other contaminants that may affect adhesion. Repair cracks, defects and damaged areas with a suitable compatible repair material and allow all repairs to dry fully before painting.

Where required, use a suitable primer according to the substrate type, condition and absorbency. Protect windows, doors and other areas not intended to be painted before application.

Product Preparation

EWI-002 Silicate Paint is supplied ready to use. Stir thoroughly before application until a uniform consistency is achieved. Do not dilute with water or mix with other products.

Check the selected colour before application and use material from the same production batch across each elevation where possible.

Application

Apply EWI-002 Silicate Paint using a brush, roller or suitable spray equipment. Apply evenly and continuously across each wall or elevation to minimise visible overlaps, lap marks and colour variation.

Allow at least 12 hours between coats. Maintain a consistent application method and use material from the same batch across each elevation where possible.

Application Conditions

Apply when the air and substrate temperatures are between +5°C and +25°C.

Do not apply in direct sunlight, strong winds, rain or frost. Protect freshly applied paint from adverse weather during application and drying. When spraying, ensure good ventilation and use suitable respiratory protection.

Clean-up

Clean tools and equipment with clean water immediately after use and before the paint dries. Remove splashes from surrounding surfaces immediately with clean water.

Packaging & Storage

EWI-002 Silicate Paint is supplied in 5L and 15L buckets. Store unopened in the original packaging in a dry environment between +5°C and +25°C.

Shelf life is up to 24 months from the date of manufacture when stored correctly.

Compliance with Standards

N/A

Safety Measures

Wear suitable gloves, protective clothing and eye protection during application. Avoid contact with the skin and eyes and avoid inhaling spray mist. Ensure good ventilation when working indoors.

When spraying, suitable respiratory protection should be worn. 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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