

EWI-002

SILICATE PAINT

PRODUCT DATA SHEET

EWI-002 Silicate Paint is a durable, breathable coating made with potassium water glass. It's suitable for both internal and external use, providing a strong, weatherproof finish that lets the surface breathe. The paint bonds naturally with the surface, giving excellent adhesion and long-lasting protection.

It's resistant to UV rays, water and dirt, helping façades stay clean and fresh over time.

Intended Uses

EWI-002 Silicate Paint is designed for mineral surfaces such as lime-cement render, concrete and mineral plaster. It's also suitable for use with external wall insulation systems. Because it allows moisture to escape, it's ideal for use on older or listed buildings where breathability is essential.



Technical Specification

Composition	Potassium water glass, titanium dioxide, mineral fillers, pigments, polymer dispersion, additives, water.
Gloss level	Matt
Consumption	Approx. 0.225 l/m ²
Density	Approx. 1.45 g/cm ³
pH	Approx. 9
Wet abrasion class	≥ 5000 cycles
SD-value	Approx. 0.031 m
Application and setting temperature	5°C to 25°C
Drying Time	12 hours (at +20 °C)
Unit Quantity	5 or 15 Litre Bucket

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

All surfaces must be clean, dry and stable before painting. Remove any dust, dirt, oil, mould or algae using a suitable cleaner. Cracks or damaged areas should be repaired with EWI-260 Levelling Mortar and allowed to dry fully before painting.

Once the surface is ready, apply EWI-333 Topcoat Primer to control absorption and improve adhesion. Windows, doors and any other areas not intended for painting should be protected before application begins.

Product Preparation

EWI-002 Silicate Paint is supplied ready to use and should not be mixed with other products or diluted with water.

Stir well before use to achieve a consistent finish. Check that the selected colour matches the order before applying the product to the surface.

Application

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

Leave at least 12 hours between coats. Always use paint from the same batch on a single wall or elevation to help maintain consistent colour across the surface.

Application Conditions

Application should only be carried out when the air and substrate temperatures are between +5°C and +25°C.

Do not apply in direct sunlight, strong wind, rain or frost. Freshly applied paint should be protected from adverse weather conditions during application and drying.

When spraying, make sure the working area is well ventilated and suitable respiratory protection is worn.

Clean-up

Tools and equipment should be cleaned with clean water immediately after use and before the paint dries. Any splashes should be removed from surrounding surfaces straight away with clean water.

Packaging & Storage

EWI-002 Silicate Paint is supplied in 5L and 15L buckets. Store the product in its original, unopened container in a dry place between +5°C and +25°C. When stored correctly, the product remains usable for up to 24 months from the date of manufacture.

Compliance with Standards

N/A

Safety Measures

Wear gloves, protective clothing and safety goggles during application. Avoid contact with skin and eyes, and do not breathe in spray mist. Ensure good ventilation when working indoors. Keep the product out of reach of children. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention. Dispose of leftover material and empty containers in accordance with local environmental regulations.

Warnings

EUH211 – Warning! Hazardous respirable droplets may be formed when sprayed. Avoid breathing spray or mist. Use only outdoors or in a well-ventilated area. Wear suitable respiratory protection when spraying.

General Information

This data sheet replaces all previous editions. The information provided is based on current knowledge and practical experience and has been compiled with care.

However, it is not guaranteed to be accurate, complete or suitable for every application. It is the responsibility of the user to check the product's suitability for the specific project, substrate and intended use. No legal obligations are established by this document.

Data Sheet Revision Date: 29/05/2026



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