EWIPRO Render Systems

EWI-087

RENDER SHIELD

PRODUCT DATA SHEET



EWI-087 Render Shield is a ready-to-use, clear hydrophobic treatment designed to reduce water absorption on compatible mineral and rendered surfaces while maintaining vapour permeability.

Once cured, it forms a transparent protective layer that helps limit rainwater penetration, surface soiling and moisture-related deterioration without significantly changing the appearance of the treated surface.

Intended Uses

EWI-087 Render Shield is intended for creating a hydrophobic protective treatment on absorbent internal and external mineral surfaces.

It is suitable for rendered walls, mineral plasters without gypsum content, concrete, stone cladding, terrazzo, mineral paint coatings, silicate surfaces, ceramic roof tiles, cement roof tiles and fibre-cement panels.

Once dry, the treatment helps reduce surface absorbency and provides additional protection against rainwater penetration, frost-related damage, salt crystallisation and surface soiling.

Technical Specification

Composition	Water and functional polysiloxane emulsion
Quantity Per Unit	5L
Colour	Clear
Consumption	Approx. 0.1L/m²
Coverage Rate	Approx. 50m² per 5L jerrycan
Recommended Applications	At least 2 applications

Density	Approx. 1.00g/cm³
pH	6–8
Application Temperature	+5°C to +25°C
Water Resistance	Approx. 4 hours after application
Full Hydrophobic Effect	Approx. 7 days

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 and free from dust, soot, grease, loose material, biological growth and other contaminants that may affect penetration of the treatment.

Remove algae, moss and other biological contamination using a suitable cleaning treatment and allow the surface to dry appropriately before application. No separate primer is required.

Product Preparation

EWI-087 Render Shield is supplied ready to use. Mix thoroughly before application. Do not dilute with water or mix with other materials.

Application

Apply EWI-087 using a brush or roller, or suitable spray equipment on larger areas. Apply sufficient material to evenly saturate the substrate without allowing excessive run-off.

At least two applications are recommended. Apply the subsequent treatment once the previous application has penetrated, the surface is no longer shiny and it appears visually dry.

Remove accidental splashes from windows, doors and adjacent surfaces immediately with clean water. Protect treated surfaces from rainfall until the product has dried.

Application Conditions

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

Do not apply during rain or where rainfall is expected before the treatment has dried. Protect freshly treated surfaces from adverse weather during application and initial curing.

Clean-up

Clean tools and equipment with clean water immediately after use.

Packaging & Storage

EWI-087 Render Shield is supplied in 5L jerrycans. Store unopened in the original packaging in dry conditions between +5°C and +25°C. Protect from direct sunlight, heat sources and frost. Shelf life is up to 12 months from the date of manufacture when stored correctly.

Compliance with Standards

TBC

Safety Measures

Wear suitable gloves, eye protection and protective clothing during application. Avoid contact with the skin and eyes.

In the event of eye contact, rinse immediately with plenty of 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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