EWIPRO Render Systems

EWI-076

PREMIUM BIO SILICONE RENDER

PRODUCT DATA SHEET



EWI-076 Premium Bio Silicone Render is a ready-to-use, through-coloured decorative render designed to provide a durable, flexible and highly breathable finish for external walls. Its silicone-based formulation provides good resistance to mechanical impact and weathering, while its hydrophobic properties help reduce water absorption and support resistance to biological growth.

Intended Uses

EWI-076 Premium Bio Silicone Render is intended for use as a decorative finish over suitably prepared reinforced basecoat layers in render-only and external wall insulation systems. It can be applied by hand or suitable spray equipment and is available in 1mm and 1.5mm grain sizes.

Technical Specification

Composition	Water dispersion of silicone polymer, modifying supplements, mineral fillers, refining agents and pigments
Quantity Per Unit	25kg
Grain Size	1mm or 1.5mm
Consumption	**1mm:** approx. 1.9kg/m², **1.5mm:** approx. 2.3kg/m²
Application Thickness	Apply at the selected grain size
Recommended Thickness	Apply at the selected grain size
Coverage Rate	**1.0mm:** approx. 12–13m² per 25kg, **1.5mm:** approx. 9–10m² per 25kg
Dry Bulk Density	Approx. 1.84g/cm³
Application Temperature	+5°C to +25°C

Drying Time	Approx. 12–48 hours
Relative Diffusion Resistance	≤ 0.13m
Water Vapour Permeability	<1.00m
Water Absorption after 10 Hours	≤ 360g/m²
Organic Content	7.02%
Adhesion after Ageing – Mineral Wool	≤ 0.08MPa
Adhesion after Ageing – EPS	≤ 0.003MPa
Reaction to Fire – Mineral Wool System	Class A2
Reaction to Fire – EPS System	Class B

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, dry and free from dust, dirt, loose material and other contaminants that may affect adhesion. The reinforced basecoat should be fully cured and appropriately prepared before application. Where required, use a suitable primer according to the substrate type, condition and absorbency.

Product Preparation

EWI-076 Premium Bio Silicone Render is supplied ready to use and should not be diluted with water or mixed with other products. Before application, mix thoroughly to achieve an even consistency and check that the colour matches the order. Where multiple tubs are required on the same elevation, material should be blended during application to help maintain colour consistency.

Application

Apply EWI-076 evenly using a stainless steel trowel and remove excess material until the applied thickness matches the selected 1mm or 1.5mm grain size. Immediately texture the surface using a plastic render float in circular motions to produce a consistent finish.

Work continuously across each elevation where possible and avoid allowing individual sections to dry before adjoining areas are completed.

Application Conditions

Apply between +5°C and +25°C. Protect freshly applied render from rain, frost, strong winds, direct sunlight and rapid drying. Drying time is typically 12–48 hours but may be longer in low temperatures or unfavourable site conditions.

Clean-up

Clean tools and equipment with clean water immediately after use. Do not allow material to dry onto tools and do not dispose of waste material into drainage systems.

Packaging & Storage

Supplied in 25kg tubs. Store unopened in a dry environment at temperatures above +5°C and protect from frost and extreme temperatures. Shelf life is up to 12 months from the date of manufacture when stored correctly.

Compliance with Standards

PN-C-81913:1998.
ETA 15/0576 and ETA 15/0575.
BBA Approval Inspection Testing Certificate 18/5503.

Safety Measures

Wear suitable protective gloves, protective clothing and eye protection 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 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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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