EWIPRO Render Systems

EWI-744

INSULATING LIME RENDER

PRODUCT DATA SHEET

EWI-744 Insulating Lime Render is a lightweight natural hydraulic lime render designed to improve the thermal performance of solid wall construction while maintaining high vapour permeability. Formulated with NHL 2 binder, recycled glass aggregate and additives, it provides a breathable render solution for traditional and moisture-sensitive backgrounds.



Intended Uses

EWI-744 Insulating Lime Render is intended for internal and external use on suitable solid masonry, traditional wall construction and other breathable backgrounds, including natural materials such as hemp, straw and rammed earth. It can be used as a backing or levelling coat before a suitable fine plaster, lime topcoat or other compatible breathable finish.

Technical Specification

Composition	Natural Hydraulic Lime, recycled glass aggregates and additives
Binder	NHL 2
Quantity Per Unit	9kg
Consumption	Approx. 0.6kg/m² per 1mm thickness
Minimum / Maximum Thickness	10–50mm
Recommended Thickness	30mm
Coverage Rate	Approx. 0.5m² per 9kg bag at 30mm thickness

Yield	Approx. 15 litres per 9kg
Aggregate	2mm down recycled glass aggregate
Water Mix Proportions	Approx. 4.5–5.5L of clean water per 9kg dry mix
Application Temperature	+5°C to +30°C
Thermal Conductivity	0.095W/m·K
Reaction to Fire	Class A1

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, dirt, mould, loose material and other contaminants that may affect adhesion. Preparation should suit the condition and suction of the background. Dampen absorbent surfaces where required before application, while dense or low-suction backgrounds may require little or no pre-wetting. Complete any dubbing out beforehand and allow it to firm up before applying the main coats. Do not use PVA.

Product Preparation

Mix one 9kg bag of EWI-744 with approximately 4.5–5.5 litres of clean water until a firm, workable consistency is achieved. Do not add admixtures or other materials. Allow the mix to stand briefly, then remix before use. Where part bags are used, dry blend the contents first to maintain consistency.

Application

This product is for manual application only and is not suitable for spray application.

Apply EWI-744 as part of a minimum two-coat system. Coat thickness will depend on the required build-up and method of application. Experienced applicators may apply heavier passes where suitable, although lighter applications may be preferred depending on the background and site conditions.

Scratch each coat to provide a mechanical key before applying the next. Further coats can normally be applied after 1–2 days, depending on curing and site conditions. Finish the final coat as required for the intended subsequent finish.

Application Conditions

Do not apply when air or substrate temperatures are below +5°C or above +30°C, or where frost or snow is expected. Protect freshly applied material from rapid drying, direct sunlight, strong winds, rain and frost. During curing, maintain suitable conditions to support strength development and reduce shrinkage.

Clean-up

Clean tools, mixing equipment and containers with clean water immediately after use. Do not allow material to dry onto tools or machinery.

Packaging & Storage

Supplied in 9kg polythene-lined paper bags. Store unopened in dry conditions, clear of the ground and protected from moisture. Reseal opened or part-used bags where possible. For best performance, use within 6 months of manufacture.

Compliance with Standards

Manufactured in accordance with BS EN 998-1:2016. The formulation contains no Portland cement.

Safety Measures

Wear suitable protective gloves, protective clothing and eye protection during handling and application, with respiratory protection where dust may be generated. Avoid contact with the skin and eyes. Wet lime mortar may cause irritation, dermatitis or burns. In the event of contact, rinse immediately with 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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