EWIPRO Render Systems

EWI-747F

FINE FINISH LIME RENDER NHL 3.5

PRODUCT DATA SHEET



EWI-747F Fine Finish Lime Render is a natural hydraulic lime finishing render designed to provide a breathable, fine-textured finish for internal and external lime render systems. It is suitable for traditional masonry and other compatible backgrounds where vapour permeability, moisture management and a refined lime finish are required.

Its NHL 3.5 formulation makes it particularly suited to heritage, conservation, refurbishment and selected new-build applications.

Intended Uses

EWI-747F Fine Finish Lime Render is intended for use as a finishing coat over suitable lime render and other compatible mineral backgrounds. It can be used internally or externally on traditional masonry, including brick and stone, where a breathable lime-based finish is required.

The product may be applied manually or using suitable spray equipment and finished by floating to achieve the required surface appearance.

Technical Specification

Composition	Natural hydraulic lime, natural sands and additives
Binder	NHL 3.5
Quantity Per Unit	23kg
Consumption	Approx. 1.5kg/m²/mm
Minimum / Maximum Thickness	4mm-10mm
Recommended Thickness	Approx. 5mm
Coverage Rate	Approx. 3m² per 23kg bag at 5mm
Water Mix Proportions	Approx. 4–5 litres of clean water per 23kg bag

Application Temperature	+5°C to +30°C
Working Time	Approx. 60 minutes at 23°C and 65% RH
Maximum Relative Humidity	80%
Water Vapour Permeability Coefficient	$\mu \leq 6$
Water Absorption	Class W0
Compressive Strength	Class CS II at 28 days
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, loose material, oils, grease, efflorescence, biological growth and other contaminants that may affect adhesion. Damp the background with clean water before application where required to control suction, taking care not to saturate the surface.

Uneven or deteriorated backgrounds should be repaired or levelled before application to provide a suitable and reasonably uniform surface.

Product Preparation

Mix EWI-747F Fine Finish Lime Render with approximately 4–5 litres of clean water per 23kg bag. Gradually add the dry material to the water and mix for approximately 3–5 minutes until a smooth, homogeneous and lump-free consistency is achieved.

Do not use excessive water, as this may reduce mechanical performance and increase the risk of cracking. The mixed material has a working time of approximately 60 minutes under typical conditions.

Application

Apply EWI-747F as a fine finishing coat over a suitable lime render or compatible mineral background at a thickness between 4mm and 10mm, with approximately 5mm recommended for typical applications.

Apply manually using a trowel or mechanically with suitable spray equipment, then float the surface to achieve the required finish. Work continuously across each elevation where possible to maintain a consistent appearance.

Application Conditions

Apply when air and substrate temperatures are between +5°C and +30°C. Do not apply where frost is expected or where conditions may cause excessive drying.

Protect freshly applied render from rain, strong winds, frost and rapid moisture loss during curing.

Clean-up

Clean tools and equipment with clean water immediately after use. Do not allow material to harden on tools or surrounding surfaces.

Packaging & Storage

EWI-747F Fine Finish Lime Render is supplied in 23kg bags. Store unopened in dry conditions and protect from moisture. 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, protective clothing and respiratory protection during preparation and application. Avoid contact with the skin and eyes and avoid inhaling dust. 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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