EWIPRO Render Systems

EWI-746

LIME RENDER NHL 2

PRODUCT DATA SHEET



EWI-746 Lime Render NHL 2 is a dry-mix natural hydraulic lime render formulated with NHL 2 as the primary binder. Manufactured using natural hydraulic lime, natural sands and additives, it provides a breathable and compatible render for traditional solid-wall construction and other suitable masonry backgrounds.

It is intended for internal and external lime render systems where vapour permeability, moisture management and compatibility with traditional masonry are important.

Intended Uses

EWI-746 Lime Render NHL 2 is intended for use as a basecoat or scratch coat within breathable lime render and plaster systems. It is suitable for heritage, conservation, refurbishment and selected new-build applications over appropriately prepared solid masonry backgrounds, including brickwork, stone masonry, lime-based backgrounds and other traditional solid-wall construction.
The product may be used internally or externally where a lime-based render is required to support the natural movement of moisture through the wall structure.

Technical Specification

Composition	Natural hydraulic lime, natural sands and additives
Binder	NHL 2
Quantity Per Unit	25kg
Consumption	Approx. 1.67kg/m²/mm
Minimum / Maximum Thickness	8–15mm
Recommended Thickness	Approx. 10mm

Coverage Rate	Approx. 1.5m² per 25kg bag at 10mm
Yield	Approx. 15 litres per 25kg bag
Aggregate	4mm down washed silica sand
Water Mix Proportions	Approx. 4–4.5 litres of clean water per 25kg bag
Application Temperature	+5°C to +30°C
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, loose material and other contaminants that may affect adhesion. Preparation should suit the condition and suction of the background. Porous surfaces should be dampened before application, while dense backgrounds may require less pre-wetting. The surface should be damp but not saturated.

Make good hollows, voids, recessed joints and missing pointing before rendering. Complete any necessary dubbing out to provide a suitable background.

Product Preparation

Mix EWI-746 Lime Render NHL 2 with approximately 4–4.5 litres of clean water per 25kg bag. Do not add admixtures or excessive water, as this may increase the risk of shrinkage and cracking.

Mix for approximately 10 minutes, allow to stand for at least 10 minutes, then remix thoroughly. 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-746 as part of a minimum two-coat lime render system. Dub out uneven areas where required and allow them to firm before the main application.

Apply the scratch coat evenly and scratch the surface to provide a key for the following coat. Allow it to cure adequately before applying the float coat. Lightly dampen the background where necessary to control suction, then compact and finish the render as required.

Where a further finishing coat is to be applied, lightly texture the surface to provide a suitable key. Use material from the same production batch across each elevation where possible.

Application Conditions

Do not apply below +5°C, above +30°C or where frost is expected. Protect freshly applied render from rain, wind, frost and rapid drying.

During curing, lightly mist the surface where necessary to support hydration and maintain suitable protection, particularly in cold or exposed conditions.

Clean-up

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

Packaging & Storage

Supplied in 25kg polythene-lined paper bags and may also be available in bulk bags for larger orders. Store under cover, off the ground and keep dry. Protect opened or part-used material from moisture. 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 gloves, eye protection and protective clothing. Avoid skin and eye contact and avoid inhaling dust. Wet lime-based material may cause irritation or burns. Refer to the 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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