

EWI-746 LIME RENDER NHL 2 PRODUCT DATA SHEET

EWI-746 Lime Render NHL 2 is a dry-mix natural hydraulic lime render and plaster formulated with NHL 2 as the primary binder for breathable render and plaster systems. It is manufactured using natural hydraulic lime, selected aggregates and performance-enhancing additives to provide good workability, consistency and application performance while retaining the traditional qualities associated with lime-based materials.

Designed for use as a coarse render coat within internal and external lime render systems, it is particularly suited to projects where breathability, moisture management and compatibility with traditional masonry backgrounds are important, and where a more breathable alternative to dense cement-based materials is needed.

Intended Uses

EWI-746 Lime Render NHL 2 is intended for use as a basecoat or scratch coat within lime render systems and breathable plaster build-ups. It is suitable for heritage, conservation, refurbishment and selected new-build projects, and can be used on appropriately prepared solid masonry backgrounds such as brickwork, stone masonry, lime-based backgrounds and other traditional solid wall construction.

The product is suitable for internal and external applications where good vapour permeability is required, and where a lime-based render is needed to support the natural movement of moisture through the wall structure.



Technical Specification

Composition	Natural Hydraulic Lime, Natural Sands, Additives
Binder	NHL 2
Yield	Approx. 15 litres per 25kg
Coverage	Approx. 1.5m ² at 10mm thickness per 25kg
Aggregate	4mm down washed silica sand
Water Mix Ratios	4-4.5 litres per 25 kg
Application Method	Manual
Layer Thickness	8-12mm
Reaction to Fire	Class A1

Please note: These figures may vary based on the substrate and application method.

Please see the reverse of this page for directions for use.

Directions for use

Substrate Preparation

Substrates 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 need less pre-wetting. The substrate should be damp but not saturated, with no standing water.

Make good any hollows, voids, recessed joints or missing pointing before rendering. Complete any dubbing out as needed to provide a suitable, even background. Protect the work area before application begins.

Product Preparation

Mix EWI-746 Lime Render NHL 2 with 4 to 4.5 litres of clean potable water per 25kg bag. Do not add admixtures or other materials. Do not increase the water content by more than 10%, as excess water may cause shrinkage and cracking.

Mix with a conventional mixer for around 10 minutes, allow the material to stand for at least 10 minutes, then remix thoroughly before use. If part bags are used, dry blend the contents first, as settlement can occur during storage. Use full bags wherever possible to maintain consistency.

Application

EWI-746 Lime Render NHL 2 should be applied as part of a minimum two-coat lime render system. Any uneven areas, voids or recessed joints should be dubbed out and allowed to firm up before the main application.

Apply the scratch coat at 10 to 12mm and scratch to form a key for the next coat. Allow it to cure for at least 7 days. Apply the float coat at 8 to 10mm and do not exceed the thickness of the scratch coat. Lightly dampen the background beforehand if needed to control suction. Once applied, compact and rule or float to the required finish. If a further finishing coat is to be applied, lightly texture the surface to provide a key. For visual consistency, use material from the same batch across each elevation.

Application Conditions

Do not apply EWI-746 Lime Render NHL 2 when air or substrate temperatures are below 5°C, above 30°C, or where frost is expected. Freshly applied material must be protected from rain, wind, frost and rapid drying during and after application.

During curing, the render should be kept protected and lightly misted where necessary to support proper hydration. Protection should remain in place for at least 2 weeks, and longer in cold or exposed conditions.

Clean-up

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

Packaging & Storage

EWI-746 Lime Render NHL 2 is 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 at all times. Bags should remain unopened until use, and any opened or part-used material must be protected from moisture.

As dry material may settle over time, part bags should only be used if the contents are first decanted and blended dry. For best performance, use within 6 months of manufacture.

Compliance with Standards

EWI-746 Lime Render NHL 2 is manufactured in accordance with BS EN 998-1:2016. The formulation contains no Portland cement.

Safety Measures

EWI-746 Lime Render NHL 2 contains lime and should be handled with appropriate care. Contact with skin and eyes should be avoided, and suitable protective clothing, gloves and eye protection should be worn during handling and application. Dust should not be inhaled, and the product should be kept out of reach of children. Wet material may cause irritation, dermatitis or burns, so any contact with skin or eyes should be rinsed immediately with plenty of clean water, with medical advice sought where necessary. As with all lime-based powders, extra care should be taken because contact with moisture can increase the risk of irritation. Refer to the relevant Safety Data Sheet for full guidance on handling and protection.

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.

Data Sheet Revision Date: 16/04/2026



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