EWIPRO Render Systems

EWI-750

LIME MORTAR NHL 5

PRODUCT DATA SHEET



EWI-750 Lime Mortar NHL 5 is a premixed dry mortar based on natural hydraulic lime (NHL 5), natural pozzolan and selected aggregates. It provides good adhesion, workability and vapour permeability for internal and external masonry applications, while supporting moisture movement through traditional wall construction.

Its NHL 5 formulation makes it suitable for new-build, restoration and breathable construction where a durable lime-based mortar is required.

Intended Uses

EWI-750 Lime Mortar NHL 5 is intended for internal and external masonry work, including brick and block construction, laying natural stone, bedding and fixing tiles, and use as a base or finishing coat where a textured lime finish is required.

It is particularly suited to restoration and repair work where compatibility with traditional masonry materials is important.

Technical Specification

Composition	Natural hydraulic lime (NHL 5), marble aggregates, natural pozzolan, pigment and workability additives
Colour	Slightly ochre
Quantity Per Unit	23kg
Consumption	Approx. 1.5kg/m²/mm
Minimum / Maximum Thickness	4–15mm
Recommended Thickness	Approx. 10mm
Coverage Rate	Approx. 1.5m² per 23kg bag at 10mm
Water Mix Proportions	Approx. 4–5 litres of clean water per 23kg bag

Working Time	Approx. 60 minutes at 23°C and 65% RH
Application Temperature	+5°C to +30°C
Maximum Relative Humidity	<80%
Water Vapour Permeability	μ < 12
Water Absorption	Class W0
Compressive Strength	Category M5 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, dry and clean, and free from dust, grease, oils, salts, efflorescence, waxes, release agents, loose material, biological growth and other contaminants that may affect adhesion. Before application, lightly dampen the substrate with clean water to support adhesion and curing, taking care not to saturate the surface.

Product Preparation

Mix EWI-750 Lime Mortar NHL 5 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, workable and lump-free consistency is achieved.

Do not add excessive water, as this may reduce strength and increase the risk of cracking. The mixed mortar should be used within approximately 60 minutes.

Application

EWI-750 may be applied manually with a trowel or using suitable spray equipment. Apply in coats between 4mm and 15mm, with approximately 10mm recommended for typical applications.

Where additional thickness is required, build up the mortar in two or more coats rather than exceeding 15mm in a single layer. Apply subsequent coats before the previous layer has fully hardened where appropriate, then trowel or finish the surface to achieve the required texture.

Application Conditions

Apply when the air and substrate temperatures are between +5°C and +30°C and relative humidity is below 80%. Avoid application in strong winds or other conditions that may cause excessive drying.

Protect freshly applied mortar from frost, rain and direct sunlight during application and for at least 48 hours afterwards.

Clean-up

Clean tools and equipment with clean water while the material is still fresh. Once hardened, the mortar can only be removed mechanically.

Packaging & Storage

EWI-750 Lime Mortar NHL 5 is supplied in 23kg bags. Store unopened in the original packaging in a cool, dry environment and protect from moisture and adverse weather. Shelf life is up to 12 months from the date of manufacture when stored correctly.

Compliance with Standards

No specific compliance standard is stated in the currently available product information.

Safety Measures

Wear suitable protective 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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