

# 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 fine pozzolan and selected aggregates. It is formulated to provide excellent adhesion, good workability and an extended open time, making it suitable for masonry work, base coats and finishing coats where a more rustic texture is required. Lightly pigmented in ochre, it helps promote visual consistency in grouted exposed masonry.

Its natural hydraulic lime and pozzolanic formulation provide good durability and strong resistance to sulphates and salts. The mortar is also highly vapour permeable, allowing moisture to move through the wall build-up and supporting a breathable construction. This helps reduce trapped moisture within the substrate and makes it particularly suitable for healthier, more comfortable buildings and the repair of traditional structures.

## Intended Uses

EWI-750 Lime Mortar NHL 5 is designed for use in new construction, restoration and bio-construction projects for both internal and external masonry applications. It is suitable for the erection of brick and block walls, laying natural stone, bedding and fixing tiles, and for use as a base coat or finishing coat where a textured lime finish is required. It is also well suited to the repair and restoration of historic buildings, where compatibility with traditional materials is important.



## Technical Specification

### Composition

Natural hydraulic lime (NHL 5), marble aggregates, natural pozzolan, pigment & workability additives.

### Appearance

Dry powder

### Colour

Slightly ochre

### Consumption

1.5 kg/m<sup>2</sup> per mm

### Fresh Mortar Workability Time

60 min (23°C 65% RH)

### Minimum Applicable Thickness

4 mm

### Maximum Applicable Thickness per Layer

15 mm

### Compressive Strength

Category M-5 (at 28 days)

### Water Vapour Permeability

μ < 12

### Water Absorption

W0

### 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 firm, dry and clean, and free from dust, grease, oils, salts, efflorescence, waxes, release agents, poorly adhered materials, previous coatings, biological growth and any other contamination that may affect adhesion. Before application, the substrate should be dampened with clean water to support good adhesion and curing, but it should not be saturated.

## Product Preparation

Mix EWI-750 Lime Mortar NHL 5 with clean water only, using approximately 4 to 5 litres per bag. Add the powder gradually to the water and mix until a smooth, workable consistency is achieved. Mixing should continue for around 3 to 5 minutes. Do not add excess water, as this may reduce strength and increase the risk of cracking. The mixed material should be used within approximately 60 minutes.

## Application

EWI-750 Lime Mortar NHL 5 may be applied manually with a trowel or by suitable spray equipment. It is recommended to apply the mortar in coats of 4 to 15mm. Where greater thickness is required, build up in two or more coats, ideally before the previous layer has fully hardened. Finish by trowelling to achieve the required texture and appearance. Failure to follow the recommended application method may affect the finish and long-term durability.

## Application Conditions

Application should be carried out between +5°C and +30°C, with relative humidity below 80%. Do not apply in windy conditions. Protect freshly applied material from frost, rain and direct sunlight during application and for at least 48 hours afterwards. Significant changes in site conditions during curing may result in colour variation or an altered finish.

## Clean-up

Clean tools with warm water while the material is still fresh. Once hardened, the product can only be removed by mechanical means.

## Packaging & Storage

EWI-750 Lime Mortar NHL 5 is supplied in 23kg bags. Store in the original, tightly sealed packaging in a cool, dry place away from harsh weather conditions. Use within 12 months of manufacture. Any remaining material should be sealed properly after use to protect it from moisture.

## Compliance with Standards

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

## Safety Measures

Wear suitable protective gloves, eye protection, respiratory protection and protective clothing during mixing and application. Avoid contact with skin and eyes. In the event of eye contact, rinse immediately with plenty of clean water and seek medical advice. Do not ingest. Keep out of reach of children. Wet cementitious materials may cause irritation, dermatitis or burns. 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: 24/03/2026



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