

# EWI-747

## LIME RENDER

### NHL 3.5

EWI-747 Lime Render is the flagship product in the Heritage Range. One of the primary reasons for using lime render is breathability. The breathability of lime render refers to its ability to allow water vapour to pass through its structure, facilitating the movement of moisture in and out of a building's walls. This permeability is a crucial characteristic of lime render, providing several advantages over less breathable materials, such as cement-based renders.

Crucially, lime-based products marry well with our eco-friendly, sustainable policy; with no chemical additives, our Heritage Range is completely natural and aesthetically timeless. Perfectly suited to the renovation of older buildings, the Heritage Range sets through carbonation, which means it actively absorbs CO<sub>2</sub>.

### Intended Uses.

Ideal for plastering and plastering on brick, stone or mud walls indoors and outdoors. Especially ideal for works where the use of traditional, highly breathable, more durable and sustainable materials is required.



### Technical Specification

#### Appearance

Dry powder, Off-white (grey)

#### Compressive strength

Category CS II (at 28 days)

#### Reaction to fire

Class A1

#### Humidity level

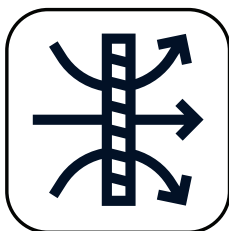
80% RH

#### Water absorption

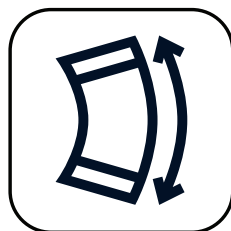
W0

#### Water vapour permeability coefficient

$\mu \leq 6$



BREATHABLE



FLEXIBLE



ANTIBACTERIAL  
& ANTIFUNGAL



ECO-FRIENDLY

# Directions for use.

## Substrate Preparation

The substrate must be firm, dry and clean: free of poorly adhered parts, previous applications of grout, waterproofing, release agents, mould release agents or waxes, rust, oils, grease, dust, efflorescence, vegetation, microorganisms (mould or verdigris), remains pollution, work material or any element that prevents the excellent adherence of the product to the support.

It is essential to previously moisten, not flood, the substrate with water without pressure, to guarantee good adhesion and correct curing: avoiding dehydration and consequent cracking. In the case of old supports, it is recommended to previously level the facing with the same mortar and allow it to harden, so that the application layer is as uniform as possible.

## Product Preparation

Mix exclusively with water at a rate of 4-5 L/bag of product. Pour the water into a container and gradually add Lime Render. Beat until you get the desired homogeneous consistency and a mixture free of lumps, for 3 to 5 minutes.

If more water than necessary is added, the mortar will lose mechanical resistance and could crack. The lifetime of the mixture is 60 minutes, after kneading. If you need to knead large quantities, use an electric mixer or a concrete mixer.

## Application

It is applied manually (using a trowel) or sprayed using an automatic plastering machine. It is recommended to spread the mixed mortar in a usual thickness of 4 to 10 mm, for thicknesses greater than 10 mm apply in two or more layers before the previous one has hardened. Finally, float until the desired finish is achieved.

## Clean-up

All equipment must be washed with clean water immediately after use. Waste material should not be emptied into drainage systems.

Compliance with Standards

## Storage

12 months shelf life from manufacture date.

## Packaging

23kg Bag

## Safety Measures

Wear protective goggles, gloves, respiratory equipment and protective clothing when mixing and using this product. Avoid contact with the eyes. In the event of eye contact, wash the affected area with plenty of cold water as soon as possible and seek medical attention. Do not ingest. Keep out of reach of children. Refer to material safety sheet for further information regarding first aid and protection recommendations. Contact with wet cement may cause irritation, dermatitis or burns. For further details, refer to our Health & Safety Data Sheets

## Application Conditions

### Water mix proportions

4-5L per bag of product

### Application and setting temperature

5°C to 30°C

### Fresh mortar workability time

60 min (23°C 65% HR)

### Minimum applicable thickness

3-4 mm

### Maximum applicable thickness per coat

15 mm