

HYDRAULIC LIME MORTARS

PRODUCT DATASHEET

SEPTEMBER 2018 | EUROMIX DRY MORTAR SYSTEM | VERSION 1



1. Identification

1.1 Introduction

EuroMix Hydraulic Lime Mortars are factory produced mortars consisting of dried sands, natural hydraulic lime and other additives.

1.2 Authority

EuroMix Hydraulic Lime Mortars are manufactured under a registered ISO 9001 Quality System.

Materials used comply with the following standards:

Sand	BS EN 13139
Cement	BS EN 197-1
Natural hydraulic lime	BS EN 459-1
Calcium lime	BS EN 459-1
Admixtures	BS EN 934-3
Pigments	BS EN 12878

Admixtures do not contain calcium chlorides. Water added on site should be clean and free from impurities. EuroMix Hydraulic Lime Mortars should be used in accordance with BS EN 1996 and the Foresight Best Practice Guide.

2. Description

2.1 Manufacture

All raw materials and end products are subject to regular quality control procedures and testing.

Dried sand and other materials are weighed and mixed under computer control with rigorous quality control procedures.

2.2 Mortar Strength Classes

EuroMix Hydraulic Lime Mortars comply with BS EN 998-2 as set out in the table below.

Mortar Class	Mortar Mix Durability Designation	Hydraulic lime Mix Designation	Typical Compressive strength (N/mm ² @ 91 days)
Eminently hydraulic	(ii)	HLM5	6
Moderately hydraulic	(iii)	HLM2.5	4

Hydraulic Lime Mortar strengths are measured at 91 days as opposed to 28 days, as Hydraulic Lime Mortars gain strength more gradually compared to Portland cement mortars.

2.3 Colour

The inherent colour variations that can be associated with naturally sourced materials can be minimised with the use of pigments.

EuroMix Hydraulic Lime Mortars are available in an extensive range of colours. Copies of our Colour Shade Guide and samples are available on request.

3. Performance

EuroMix Hydraulic Lime Mortar mix designs have been formulated to achieve excellent workability, water retention and consistent rate of hardening.

The hardened mortar should have adequate bond, compressive strength, durability and uniformity of appearance.

4. Silo

EuroMix Hydraulic Lime Mortars are delivered to site in a Silo complete with all necessary mixing equipment.

After connecting power and water supplies, the system is ready for use. Once the water flow rate is adjusted to give mortar of the required workability, it is simply a question of push-button operation to produce consistently high quality mortar whenever it is needed.

The Silo Mixing Station will discharge the mortar directly into a tub.

This equipment can be used by any site operative once they have been given basic instruction and issued a Trained Operators Card by a EuroMix Service Technician.

5. Bags

EuroMix Hydraulic Lime Mortars are also available in bulk bags.

5.1 Mixing Instructions

Place the product into a traditional concrete mixer. Start the mixer and add approximately 4 to 5 litres of clean water per 25Kg of dry product.

Mix continuously for 3 to 4 minutes until the required workability and consistency is achieved.

Over mixing will be detrimental to strength and durability of the mortar.

Do not add any additional materials. All components required are within the mix.

Do not re-temper or add further water after initial set.

5.2 Additional information

The mortar is ready for pointing once laid when stiffened to the point that a thumb-print is barely visible.

Mortar should be pointed at a consistent stiffness. Failure to do so may result in colour variation.

Normal site curing practices should be followed including protecting the brickwork after construction.

6. Prices and Conditions of Sale

Our local sales representative will be pleased to provide quotations for specific projects. All quotations are subject to our Conditions of Sale, a copy of which is available on request.

7. Health & Safety

For health and safety information – see Material Safety Datasheet.

8. Technical Services

8.1 Mortar Testing

Where site testing of mortar is required, strict adherence to recommended testing procedures is essential. Contact EuroMix for further advice or assistance.



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