

Uniclass L6412	EPIC F32
CI/SfB	Yq4
March 2008	

Masonry Mortars

Product Datasheet

EuroMix Dry Mortar System

1. Identification

1.1 Introduction

EuroMix Masonry Mortars are factory produced mortars consisting of dried sands, cement and other additives.

The dry mortar is transported to the building site in bulk silos. Final mixing with water to the required consistency is carried out automatically. If required, the dry material may be conveyed to the workplace by means of compressed air before mixing.

EuroMix Masonry Mortars are suitable for use in blocklaying and bricklaying and are available in any mortar class.

1.2 Authority

EuroMix Masonry Mortars comply with the requirements of BS EN 998-2: 2003 and are manufactured under a BSI/NSAI registered ISO 9001 Quality System.

Materials used comply with the following standards:

Sand	BS EN 12620: 2002
Cement	BS EN 197-1: 2000 (UK)
	IS EN 197-1: 2001 (Ireland)
Lime	BS EN 459-1: 2001 (UK)
	IS 8: 1973 (Ireland)
Admixtures	BS EN 934-3: 2003
Pigments	BS EN 12878: 1999

Admixtures do not contain calcium chlorides. Water added on site should be clean and free from impurities.

EuroMix Masonry Mortars should be used in accordance with BS 5628: Part 3: 1985.

1.3 General Advantages

EuroMix Masonry Mortars offer several advantages over alternative methods of producing mortar:

- Mortar is mixed only as it is needed.
- Constant supply of mortar on site.
- No retarders necessary.
- Consistent mix proportions.
- Better quality of mortar.

2. Description

2.1 Manufacture

EuroMix Masonry Mortars are manufactured at our plants throughout the UK & Ireland. 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.

Although mortar is traditionally specified by volume, it is generally accepted that batching by weight produces mortar of greater consistency.

2.2 Mortar Strength Classes

EuroMix Masonry Mortars can be supplied in any mortar class complying with BS EN 998-2: 2003 to suit the requirements of the specifier, as set out in the table below

Class	M2	M4	M6	M12
Strength N/mm ²	2	4	6	12

2.3 Colour

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



EuroMix

3. Performance

Mortar properties greatly influence the end product – strong, durable and watertight masonry construction.

Desireable properties of mortar while plastic include workability, water retention and consistent rate of hardening.

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

EuroMix Masonry Mortar mix designs have been formulated to give optimum compliance with these requirements. Furthermore, the EuroMix Dry Mortar System ensures that site operations result in the desired end product.

4. Sitework

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

The EuroMix Silo should be placed on a firm, level base measuring at least 3m x 3m.

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 skip.

Alternatively, a Remote Mixing Station can be supplied. This enables dry material to be conveyed directly to where it is needed before it is mixed with water.

This equipment can be used by any site operative once they have been given basic instruction in its use by a EuroMix Service Technician.

5. Prices and Conditions of Sale

Our Sales Office 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.

6. Supply

EuroMix Masonry Mortars are available throughout the market area of each plant.

Silos are delivered with up to 16 tonnes of dry mortar and may be refilled by bulk tanker.

EuroMix Masonry Mortars may also be delivered in minisilos, pre-packed 25kg bags or 1 tonne sacks.

7. Health & Safety

For health and safety information – see Material Safety Datasheet.

8. Technical Services

8.1 On-site Support

Fully trained Service Technicians are available at all times to provide on-site support to users of the EuroMix Masonry Mortar System.

8.2 Mortar Testing

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

8.3 Advisory Service

Our Technical Advisory Service is available to give expert advice on the specification or use of the EuroMix Masonry Mortar System.



Helpline: **0845 850 9090** (UK) **01 630 2732** (Ireland)

Visit us at: **www.euromix.com**

E-mail: **info@cpiuromix.com**





CPI Mortars Limited
Mortars, Renders, Screeds, Dry Concrete
Total Solutions



CERTIFICATE OF CONFORMITY		
Customer:	North Manchester General	Issue Date: 01/02/2021
Contract:	GILLINGDOD	
M4 Designation III - Mortar M3ANW000		
Spot samples of mortar are taken and tested to demonstrate compliance with the requirements of BS EN 998		
MIX DESIGN INFORMATION		
<u>Raw Materials:</u>		
Sand:	0-2mm FP (BS EN 13139)	
Cement:	Cem I 52.5N (BS EN 197)	
Additives:	Admixtures (BS EN 934)	
All dry mortar produced at CPI Mortars is computer controlled ensuring quality control, material identification and traceability.		
The above mix may be altered in accordance with the specification as part of our ongoing quality control.		
Signed	Adrian Freeman Material Technician	Stewart McGregor Technical Manager

CPI Mortars Limited, Willow House, Kestrel View, Strathclyde Business Park, Bellshill, Glasgow. ML4 3PB
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CPI Mortars Limited is a private company limited by shares. :: Registered in the United Kingdom No. 3291462.
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CERTIFICATE OF CONFORMITY		
Customer: Contract:	North Manchester General GILLINGDOD	Issue Date: 01/02/2021
M4 Designation III - Mortar M3ANW022		
Spot samples of mortar are taken and tested to demonstrate compliance with the requirements of BS EN 998		
MIX DESIGN INFORMATION		
<u>Raw Materials:</u> Sand: 0-2mm FP (BS EN 13139) Cement: Cem I 52.5N (BS EN 197) Additives: Admixtures (BS EN 934) Pigments: Iron Oxide (BS EN 12878)		
All dry mortar produced at CPI Mortars is computer controlled ensuring quality control, material identification and traceability.		
The above mix may be altered in accordance with the specification as part of our ongoing quality control.		
Signed	Adrian Freeman _____ Material Technician	Stewart McGregor _____ Technical Manager

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Coloured Mortars

Colour Shade Guide

EuroMix Dry Mortar System

EuroMix – a constant on-site supply of coloured mortars with guaranteed mix proportions providing the highest level of consistency.

The colours below represent our standard range, with reference numbers shown for convenience. Each colour is available in **Light**, **Medium** and **Dark** shades. If the colour you require is not shown simply contact our technical department to arrange a trial mix to meet your colour specification.

RED		CHARCOAL		CHOCOLATE – BROWN	
E010		E020		E030	
E011		E021		E031	
E012		E022		E032	
TERRACOTTA		COPPER – BROWN		MARIGOLD	
E040		E050		E060	
E041		E051		E061	
E042		E052		E062	
YELLOW		HEATHER		KHAKI	
E070		E080		E090	
E071		E081		E091	
E072		E082		E092	
STRAW – BROWN		MAHOGANY		LILAC	
E100		E110		E120	
E101		E111		E121	
E102		E112		E122	
PURPLE		RED – BROWN		GOLDEN – BROWN	
E130		E140		E150	
E131		E141		E151	
E132		E142		E152	
MAROON – BROWN		BLACK – BROWN		BUFF	
E160		E170		E180	
E161		E171		E181	
E162		E172		E182	

White – variations available on request.

- All pigments used in EuroMix Coloured Mortars conform to BS EN 12878.
- The colours illustrated are approximate shades and are intended as a guide only.
- As the appearance of the finished brickwork will depend on joint profile, brick type and local conditions, we will be pleased to supply a free sample of the specified mortar for use in a trial panel on site before final colour approval.


EuroMix



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