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# General Purpose Renders Hand or Spray Applied

## Product Datasheet

## EuroMix Dry Mortar System

### 1. Identification

#### 1.1 Introduction

EuroMix General Purpose Renders are factory produced renders consisting of dried sands, cement and other additives depending on the mix specified.

They are delivered to the building site in bulk silos, pre-packaged bags or sacks and are mixed on site with the addition of water.

EuroMix General Purpose Renders are suitable for use as backing coat and finishing coat in external rendering and internal plastering. They are available in any strength category or traditional mix type for hand or spray application as specified.

#### 1.2 Authority

EuroMix General Purpose Renders comply with the requirements of BS EN 998-1: 2003 and BS 5262: 1991: Code of Practice for External Renderings and of BS 5492: 1990: Code of Practice for Internal Plastering, where used in accordance with these standards. EuroMix General Purpose Renders are manufactured under a BSI/NSAI registered ISO 9001 Quality System.

Materials used comply with the following standards:

Sand	BS EN 13139: 2002
Cement	BS EN 197-1: 2000 (UK) IS EN 197-1: 2000 (Ireland)
Lime	BS EN 459-1: 2001 (UK) IS 8: 1973 (Ireland)
Admixtures	BS EN 934-3: 2003

Waterproofers are included in our mix design in accordance with manufacturers' recommendations. Admixtures do not contain calcium chlorides. Water added on site should be clean and free from impurities.

#### 1.3 General Advantages

The EuroMix silo system offers several advantages over alternative methods of producing render:

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

### 2. Description

#### 2.1 Manufacture

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 assurance procedures.

Although render is traditionally specified by volume, it is generally accepted that batching by weight will produce render of greater consistency.

#### 2.2 Render Mix Proportions

EuroMix General Purpose Renders can be supplied in any mix design to suit the requirements of the specifier, including mix designations complying with BS EN 998-1: 2003, BS 5262: 1991 and BS 5492: 1990 as set out in the tables below:

Properties	Categories	Values
Range of compressive strength at 28 days	CS I	0.4 to 2.5 N/mm <sup>2</sup>
	CS II	1.5 to 5.0 N/mm <sup>2</sup>
	CS III	3.5 to 7.5 N/mm <sup>2</sup>
	CS IV	≥ 6 N/mm <sup>2</sup>

Render Mix Designation	Nominal Cement: Sand by Volume	Nominal Cement: Lime: Lime: Sand By Volume
(i)	1:3	1:4:3
(ii)	1:3/4	1:4:4½
(iii)	1:5/6	1:1:5/6
(iv)	1:7/8	1:2:8/9
(v)		1:2:7/9

#### 2.3 Colours

EuroMix General Purpose Renders are supplied in natural grey. Other colours are available to special order.



# EuroMix

### 3. Performance

Required properties of renders are workability and cohesiveness when freshly mixed and when hardened, durability and resistance to rain penetration and weathering. EuroMix General Purpose Render mix designs have been formulated to give optimum compliance with these requirements. EuroMix General Purpose Renders can be used for undercoats, final coats, barging and/or remedial works.

### 4. Sitework

The enhanced flexibility of the dry mortar system offers several options on site:

- Direct discharge into a skip or mobile pump.
- Transfer of dry material to a remote mixing station.
- Transfer of dry material to a mixing pump for spray application.

When a silo is used, it should be placed on a firm level base measuring at least 3m x 3m. It is delivered complete with all necessary mixing equipment, which can be used by any site operative once a EuroMix Service Technician has given them basic training.

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

For recommended application procedures, see our Application Guide.

### 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 General Purpose Renders 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 General Purpose Renders may also be delivered in minisilos, pre-packed 25kg bags or 1 tonne sacks.

Approximate yields are shown in the table below. Actual yield may vary depending on background type and site circumstances.

Application Thickness (mm)	Typical Coverage (m <sup>2</sup> /tonne)
5	105
10	55
13	45
18	30

### 7. Health & Safety

For health and safety information – see Material Safety Datasheet.

### 8. Technical Services

Fully trained Service Technicians are available at all times to provide on-site support to users of the EuroMix Dry Mortar System. Our Technical Advisory Service is available to give expert advice on the specification or use of EuroMix General Purpose Renders.



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

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