



Uniclass L5371	EPIC E451
CI/SfB (43) Pr4	

January 2008

# Flowing Screed

## Product Data Sheet

### 1. Description

EuroMix Flowing Screed is a premixed blend of calcium sulfate binder, dried sands and high performance additives. It is supplied in pre-packaged bags or in bulk silos. When mixed with water on site it produces a self-smoothing pumpable floor screeding material. It is available in standard and high strength grades and is suitable for placing by hand or by screed pump.

### 2. Application / uses

EuroMix Flowing Screed is suitable for use as a levelling screed in residential and commercial applications in thicknesses between 20mm and 80mm over most standard substrates. It is ideal for use with underfloor heating systems. A debonding membrane must always be installed prior to screeding.

EuroMix Flowing Screed can provide a smooth level surface suitable for most standard final floor coverings. Prior to applying tile adhesives any surface laitance on the screed must be removed by sanding. Where cement-based underlayments are to be used, a suitable sealer must be applied to the prepared screed surface.

EuroMix Flowing Screed will not provide a wearing surface. It is for internal use only and is not suitable for areas that come into contact with water.

### 3. Key advantages

EuroMix Flowing Screeds offer several advantages compared to alternative semi-dry screeds:

#### For the client

- Cost effective high quality system
- Faster drying time
- Optimises performance of underfloor heating

#### For the contractor

- Convenient premixed product
- Fast track construction method
- Ease of placing for reduced time and cost
- Early access for light foot traffic

### 4. Site practice

See our Application Guide for further details of the recommended application procedure.

It is recommended that application is carried out by a specialist screeding contractor to ensure a high quality of finished floor. CPI can supply a list of approved contractors.

### 5. Technical data

#### Authority

EuroMix Flowing Screed meets the requirements of EN 13813:2002: *Screed material and floor screeds*.

Use of EuroMix Flowing Screed should be in accordance with BS 8204 Part 7:2003, *Code of practice for pumpable self-smoothing screeds*.

Raw materials used are a calcium sulfate binder – synthetic anhydrite gypsum and suitably graded sands together with selected admixtures. Water added on site should be clean and free from impurities.

#### Screed Mix Proportions

EuroMix Flowing Screeds are available in standard mix designations complying with Table 2 of BS EN 13813:2002

#### Substrates

The majority of standard substrates encountered in the internal building environment are suitable for the application of EuroMix Flowing Screed, provided that a taped and sealed debonding membrane is first installed.

#### Application Thickness

Maximum thickness – EuroMix Flowing Screed may be laid to a maximum thickness on approximately 80mm at the deepest point. Where levels need to be made up, the screed may be constructed as a floating screed on minimum 40mm thickness on flooring grade insulation board to the appropriate specification. Minimum thickness – See table below for minimum thickness requirements for EuroMix Flowing Screed.

Levelling screed construction	Area of use	Minimum thickness at any point (mm)
Unbonded screed	Domestic & Commercial	30mm
Floating screed	Commercial	40mm
	Domestic	30mm
Minimum cover to pipes, conduits & trunking		20mm
Minimum cover to underfloor heating pipes		25mm

*Note: Any deviations in the levels and surface regularity of the base slab should be taken into consideration when determining the thickness of the screed to be laid, so as to ensure the minimum thickness can be achieved.*

## Curing

EuroMix Flowing Screed does not require conventional wet curing, but should be protected from drying winds and direct sunlight immediately after laying for between 24 and 48 hours.

Thereafter doors and windows should be opened at all times during the working day in order to assist drying of the screed.

## Yield

To produce 1m<sup>3</sup> of liquid screed, approximately 1,900kg of EuroMix Flowing Screed plus 300 litres of water is required. Typically one 25kg bag of EuroMix Flowing Screed will cover an area of 0.44m<sup>2</sup> at 30mm thickness.

## Delivery

EuroMix Flowing Screed is available in 25kg bags, packed in pallets of 1.4t each, or in bulk silos containing up to 33t of material.

## Handling & Storage

Materials should be stored under shelter in dry conditions.

When using any EuroMix product, reference must be made to any specification requirements which are applicable and to the relevant codes of practice. Regard must be had to the specific building elements or other products to which the EuroMix product is to be applied, and reference should be made to any guidance or standards required to be followed for other elements of the structure.

No responsibility can be taken by CPI for any defects or deficiencies in the completed floor arising from any failure to comply with recommended practice in applying EuroMix products or resulting from any failure to comply with the manufacturer's instructions or other instructions issued in respect of other elements of the building structure.

## Limitations

EuroMix Flowing Screed is not suitable as a wearing course. EuroMix Flowing Screed is not suitable for wet areas.

## Health & Safety

For health and safety information see our EuroMix Flowing Screed Material Safety Data Sheet.

## Components & Ancillary Items

A full range of tools and accessories is available from CPI, including debonding membranes, foam expansion strips, leveling tripods and T-bar sets.

## Technical Services

Our Technical Advisory Service is available to give advice on the specification or use of EuroMix Flowing Screeds, and fully trained service technicians are available at all times to provide on-site support.

### Beaconsfield

Springfield Farm Quarry, Broad Lane, Beaconsfield, Buckinghamshire HP9 1XD  
Tel: +44 (0) 1494 730 134  
Fax: +44 (0) 1494 730 816

### Coatbridge

Gartsherrie Industrial Estate, Hornock Rd, Coatbridge ML5 2PS  
Tel: +44 (0) 1236 700 500  
Fax: +44 (0) 1236 449 850

### Irlam, Manchester

Northbank Industrial Estate Martens Road, Irlam Manchester M44 5AX  
Tel: +44 (0) 161 777 7500  
Fax: +44 (0) 161 777 7501

### Southampton

Marchwood Industrial Park Marchwood, Southampton Hants SO40 4PB  
Tel: +44 (0) 2380 662 000  
Fax: +44 (0) 2380 662 009

### Bilston, Wolverhampton

Springvale Industrial Estate, Springvale Avenue Bilston, Wolverhampton West Midlands WV14 0QL  
Tel: +44 (0) 1902 357 500  
Fax: +44 (0) 1902 357 501

### Dublin

Laraghcon, Lucan, Co. Dublin  
Tel: +353 (1) 630 2700  
Fax: +353 (1) 628 0331

### Leeds

Stadium Park, Altofts Lane, Whitwood Castleford, WF10 5PZ  
Tel: +44 (0) 1977 523 300  
Fax: +44 (0) 1977 523 333

### Bristol

Unit 8, Severnside Industrial Park, Central Avenue, Bristol BS10 7SD  
Tel: +44 (0) 1179 160 300  
Fax: +44 (0) 1179 160 311

### Harlow

29 Mead Industrial Park Riverway, Harlow Essex CM20 2SE  
Tel: +44 (0) 1279 634 680  
Fax: +44 (0) 1279 634 687

### Northfleet

Robins Wharf, Grove Road, Northfleet, Kent DA11 9AX  
Tel: +44 (0) 1474 331 555  
Fax: +44 (0) 1474 325 080



# EuroMix

Helpline: **0845 850 9090 (UK)** **01 630 2700 (Ireland)**

Visit us at: **[www.euromix.com](http://www.euromix.com)**

E-mail: **[info@cpiuromix.com](mailto:info@cpiuromix.com)**

