

Uniclass L5372	EPIC E451
C/SFB (43)	P4



EuroMix

Flowing Screed



Introducing EuroMix Flowing Screed

An exciting new choice in flooring that will bring real savings in time, and money, to your next project.

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 suitable for placing by hand or by screed pump.

Genuine Advantages...

- Cost effective and highly versatile system
- Suitable for residential and commercial, new build and refurbishment
- Delivered in bulk silos or 25kg bags
- Self smoothing properties allowing quick and easy application
- Fast setting and ready for light traffic in 24 – 48 hours

EuroMix Flowing Screed has significant benefits compared to traditional sand/cement screeds as shown in the table below:



The specialist contractor places the screed and tamps the floor to its final level



Completed floor after placement



Finished floor ready for handover

Key Feature	EuroMix Flowing Screed	Sand/Cement Screed
Speed of application	Fast - Up to 1000 m ² /day	Slow - Normally up to 120 m ² /day
Access for foot traffic	Can take light traffic after 24 – 48 hours	No traffic for 3 days
Floor thickness	Min. thickness 30mm (40mm with underfloor heating)	Min. thickness 70mm
Drying time	Dries naturally at 1 day/mm of screed. Min. 40 days. (Can be force dried for fast track work)	Dries at 1 day/mm - Min. 70 days
Performance	No shrinkage ensures that no curling is possible. Highly crack resistant	Can fail due to shrinkage, curling and cracking
Underfloor heating	Calcium sulfate screeds have improved heat conductivity for major energy savings	Reduced performance due to slow response time
Quality assurance	Quality assured factory produced product	Site mixing leads to variable quality

Ideal with Underfloor Heating

Underfloor heating is growing in popularity on all types of building projects. Using EuroMix Flowing Screed will ensure you get the very best performance from the heating system. It offers an ideal solution with great advantages over alternative methods. It provides a highly efficient heat conducting medium and ensures complete encasing around the heating pipes.

Approved Installers

CPI works with a countrywide network of approved installers. Each contractor has been trained and instructed in the correct use of EuroMix Flowing Screed, assuring clients of a quality job each and every time.

Equipment Solutions

Silo or bag... It's your choice!

EuroMix Floor Screed Silo Station – A highly efficient way to store, mix, transport and apply floor screed. For most jobs, the ideal configuration is a screed pump fed directly from the mixer below the silo. Material is pumped to the worksite up to 100m away.

Using a floor screed silo station can result in significant efficiencies in site operations. Eliminating craneage and truck-mounted pumps can lead to major cost savings. Other advantages are:

- Labour cost savings
- No wasted product
- Continuous on-site supply
- Dust free work environment
- Tanker refill available

Handy 25kg bags – EuroMix Flowing Screed may also be supplied in bags, offering an ideal alternative to bulk silos, while still offering the benefits of a high quality premixed material. For best results when mixing EuroMix bagged products, we recommend using a suitable mixing pump (eg. Putzmeister, Brinkmann, Lancy, Mtec, PFT, etc.)

Tools and Equipment – CPI can supply all necessary screeding tools and equipment to get the job done.



Technical Data

Use of EuroMix Flowing Screed should be in accordance with BS 8204 Part 7:2003, *Code of practice for pumpable self-smoothing screeds*. The table below includes a summary of technical information contained in this Code. The following publications are available on request from CPI or can be downloaded from www.euromix.com.

- Product Data Sheet
- Application Guidelines
- Site Practice Checklist
- Materials Safety Data Sheet

Specifications	Typical data - all values are approximate
Wet density	2200 kg/m ³
Dry density	2000 kg/m ³
BRE impact test	< 2mm
Flexural strength	3-6 N/mm ²
Drying shrinkage	< 0.02%
Fire rating	Non-combustible
Thermal conductivity	1.6 W/mK
pH	11-12
Setting time	Not less than 3 hours from mixing

Design Considerations

Screed selection	Pumpable self-smoothing screeds are designed for use where rapid installation is required in dry internal locations and when there is time available in the construction programme for drying out before application of floor finishes. Calcium sulfate screeds are not suitable where a thin section (<30mm) is required, where the screed is to be a wearing screed or when quick drying is important. Calcium sulfate screeds are unsuitable for locations where the screed will become wet in service. On concrete bases it is essential that there is suitable protection against rising damp.														
Design of base	The function of a screed is to provide a smooth surface for the application of final floor covering. It is not intended to make any contribution to the structural performance of the floor. Therefore the base should be provided with all necessary expansion, contraction and crack inducement joints. Cracking of the base, however caused, is likely to reflect in the screed.														
Screed construction	EuroMix Flowing Screed must always be laid over a membrane that separates the screed from the base. It may then be laid as an unbonded construction or floating screed over insulation boards.														
Screed thickness	<p>Maximum thickness – EuroMix Flowing Screed can be laid to a maximum thickness of approx 80mm at the deepest point. If a greater thickness is required it should be made up by the use of insulation boards under the screed. Note that increased thickness will lead to longer drying times. Minimum thickness – the following are the recommended minimum thickness for the laying of EuroMix Flowing Screed.</p> <table border="1"> <thead> <tr> <th>Screed type</th> <th>Minimum Thickness</th> </tr> </thead> <tbody> <tr> <td>Partially bonded</td> <td>30mm</td> </tr> <tr> <td>Unbonded</td> <td>30mm</td> </tr> <tr> <td>Floating Normal</td> <td>40mm</td> </tr> <tr> <td>Domestic only</td> <td>35mm</td> </tr> <tr> <td>Minimum cover to pipes, conduits and trunking</td> <td>20mm</td> </tr> <tr> <td>Minimum cover to underfloor heating pipes</td> <td>25mm</td> </tr> </tbody> </table>	Screed type	Minimum Thickness	Partially bonded	30mm	Unbonded	30mm	Floating Normal	40mm	Domestic only	35mm	Minimum cover to pipes, conduits and trunking	20mm	Minimum cover to underfloor heating pipes	25mm
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A Grafton Group Company



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