



a new **liquid screed** solution

TG
Group **Concrete**

M^cG **M^cGRATHS**
CONG



McGraths have teamed up with Cemexa Technologies of France to develop a new product for the production of cement based liquid screeds. Cemfloor is a high performance screed which complies with EN 13813.

During its 20 years of existence Cemexa Technologies has placed itself as a key player on the European market and one of the main active leaders of cement screed development.

There are 3 different products available in the Cemfloor range:

C20/F4

for domestic
and underfloor
heating

C25/F5

for
commercial
use

C30/F6

for
special
uses

→ **CEMFLOOR** IS INSTALLED BY APPROVED APPLICATORS
WHO HAVE COMPLETED THE REQUIRED TRAINING

Thinner sections compared to traditional screeds. 25mm above underfloor heating pipes.

Larger floor area without joints (up to 150m²).

Exceptional Thermal Conductivity (up to 2.9W/m.k).

Reduced drying times compared to other screeds. Moisture sensitive floor coverings can be applied when the screed has dried to a moisture content of <2.5%CM

Self-compacting – no voids around under floor heating pipes.

Can be polished for final floor finish (consult technical personnel).

key benefits

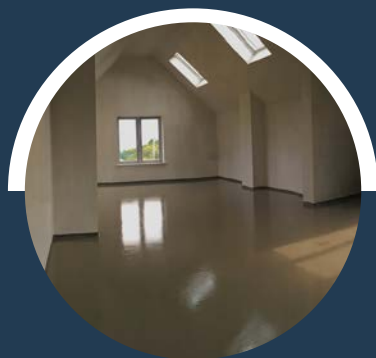
Foot traffic after 24 hours.

Minimal Drying Shrinkage (<0.05%).

Can be applied in wet areas.

More thermal insulation can be used in floors, compared to traditional sand cement screed which leads to a better u value for your building.

All floor coverings can be applied with no need for surface sanding.



Can be forced dried after 7 days.



Compatible with all cement based adhesives; including fast track systems. No need to use surface primers or sealers before applying adhesives to the screed.



No Surface Laitance (Dust) after curing.



Easy Installation; up to 1000m² per day (reduces time & costs).



Lower Running costs for underfloor heating systems when using Cemfloor. This is due to the exceptional thermal conductivity of up to 2.9W/mk and the ability to lay thinner screeds over the underfloor heating pipes.

Cemfloor screeds are very responsive to underfloor heating; due to the fact that they can be laid in very thin sections and have a high thermal conductivity of up to 2.9w/mk.

TRADITIONAL SCREED

1.2 W/m°K

7.5cm

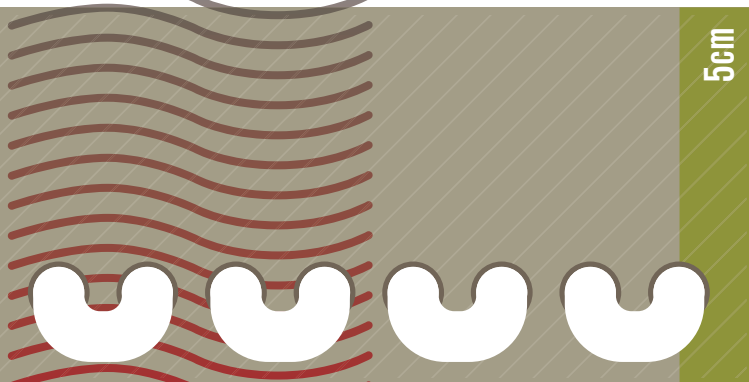


HEATED FLOOR

ISOLANT



2.9 W/m°K



HEATED FLOOR

5cm

3.5cm

NON-HEATED FLOOR

Since Cemfloor is a cement based screed; floor coverings can be applied much faster than calcium sulphate screeds which need to be dried to a final moisture content of 0.5%CM which can delay floor finishings by months.

Cemfloor can be tiled at a final moisture content of 3.5%CM and timber floors can be installed at a final moisture content of 2.5%CM; speeding up the entire build process.

Compared with other liquid screeds which generally need to be force dried with underfloor heating; Cemfloor screeds can be used in non heated floors as it doesn't require force drying to remove moisture. Using the correct tile adhesives; tiles can be placed in as little as 5 days in non-heated floors and after 16 days in heated floors once the heating has been commissioned.

ISOLANT

additional information



SUBSTRATE

Cemfloor Screed is designed for use as a bonded thick levelling screed on concrete, as a floating screed over thermal or acoustic insulation, or as an unbonded screed on top of a plastic membrane.



FLOOR COVERING

Cemfloor is compatible with all types of floor coverings, cementitious adhesives, damp proof membranes and floor levellers.



APPLICATION

Cemfloor screeds should be used in accordance with BS 8204-7:2003 'Code of Practice for Pumpable Self-Smoothing Screeds'.

To ensure a high quality screed it is recommended that application is carried out by a specialist screeding contractor who has completed the necessary Cemfloor training

technical information

Cemfloor is produced in an ISO 9001 quality-controlled environment. Self levelling screeds produced with Cemfloor meet the requirements of EN 13813:2002 'Screed Material for Floor Screeds'.

SCREED SPECIFICATION	EN 13813:2002
Compressive Strength	>20 N/mm ²
Flexural Strength	>4 N/mm ²
Minimum Thickness	Bonded: 25mm Unbonded: 30mm Domestic: 35mm Commercial: 40mm Over underfloor heating pipes: 25mm above pipes
Shrinkage (28 Days)	<0.05%
Flow Rate	220–250mm
Thermal Conductivity	up to 2.9W/mk
Fire Rating	non-combustible
Floor Flatness	Min SR2
Open to Light Foot Traffic	24 Hours
BRE Impact Test (2.kg)	<2mm

ENQUIRIES	info@mcgraths.ie	info@congal.com
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