



**Cemfloor**  
liquid screed solutions

a new **liquid screed** solution

*from*



**McGRATHS**  
CONG



**M<sup>c</sup>G** **M<sup>c</sup>GRATHS**  
**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.

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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 150m<sup>2</sup>).

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).

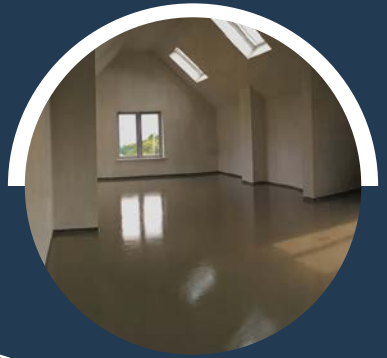
# key benefits

Foot traffic after 24 hours.

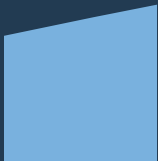
Minimal Drying Shrinkage (<0.05%).

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 1000m<sup>2</sup> 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

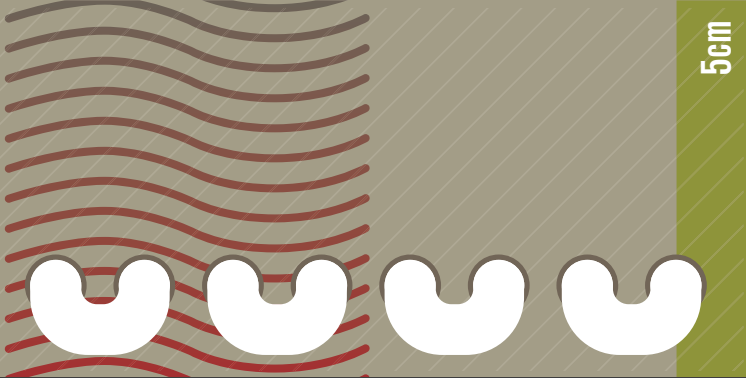


HEATED FLOOR

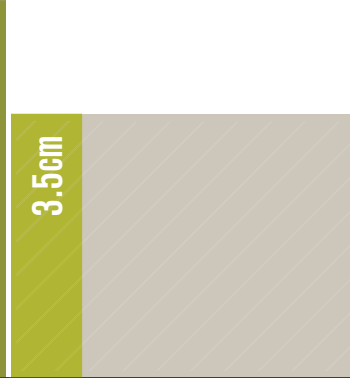
# ISOLANT



**2.9 W/m<sup>°K</sup>**



**HEATED FLOOR**



**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 <sup>2</sup>
Flexural Strength	>4 N/mm <sup>2</sup>
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

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