



Celotex FI5000

Premium Flooring Insulation Board



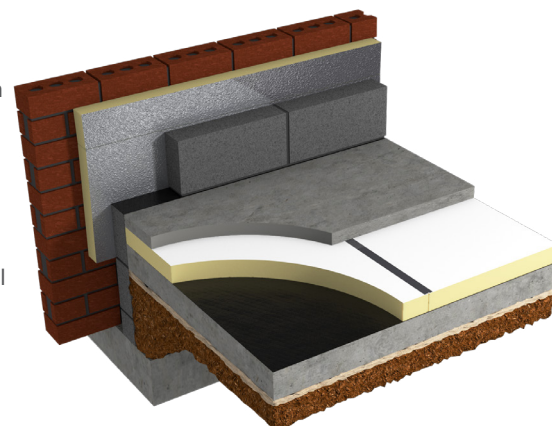
Introduction

Celotex FI5000 is our premium performance PIR solution for floors. Through ongoing product innovation and breakthrough design, FI5000 represents pioneering progression within the PIR market offering a flooring insulation board with enhanced thermal performance as well as an A rating when compared to the BRE Green Guide and an innovative cement compatible composite facer with a built-in VCL.

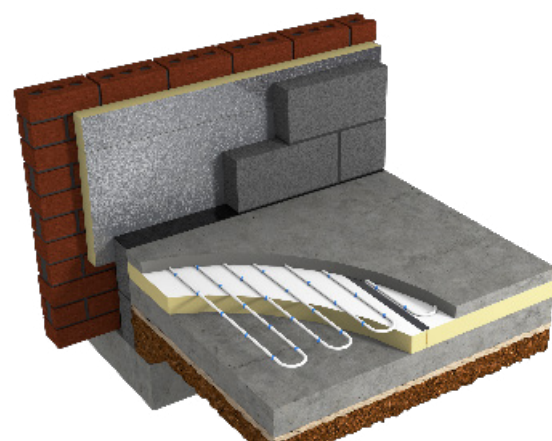
Celotex FI5000 is manufactured from rigid polyisocyanurate (PIR) using a blowing agent that has zero ozone depletion potential (ODP) and a low global warming potential (GWP).

With Celotex FI5000 you are specifying an insulation board that:

- Has a lower thermal conductivity value (0.021 W/mK) compared with other typical PIR insulation boards providing enhanced thermal performance
- Ensures minimal downward heat loss into structure
- Has an enhanced compressive strength value of ≥ 175 kPa
- Has a highly resistant composite facer featuring a built-in vapour control layer (VCL), enabling direct screed, without the need for an additional separating layer.
- Uses the foam structure to ensure better pipe clip retention
- Is easy to cut and install
- Future proofs the energy performance of new and existing buildings



Celotex FI5000 in a concrete slab application



Celotex FI5000 in an underfloor heating application

Applications

Celotex FI5000 is designed for use in the following flooring applications:

- Concrete Slab
- Beam and Block
- Suspended Timber
- Underfloor Heating

Specification Clause

The insulation shall be Celotex FI5000 _____mm thick comprising a polyisocyanurate rigid foam insulation core with a thermal conductivity of 0.021 W/mK with a composite facer on both sides. Celotex FI5000 is CFC/HCFC free with zero ODP and low GWP and CE marking compliance to BS EN 13165. Celotex FI5000 is manufactured in accordance with quality management system ISO 9001 and environmental management system

Celotex FI5000 Technical Data

Product Code	Thickness (mm)	R-value (m ² K/W)	Weight (kg/m ²)
FI5075	75	3.55	3.36
FI5100	100	4.75	4.32
FI5125	125	5.95	5.28

Sustainable Insulation

Celotex PIR insulation has been independently assessed by BRE Global and has been accredited with an A+ rating when compared to the BRE Green Guide.

The results also show that Celotex offers a lower environmental impact than other typical PIR manufacturers.

For further information about Celotex' sustainable insulation solutions, visit the sustainability pages of the website at celotex.co.uk

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Celotex
SAINT-GOBAIN

Physical Properties

	Method	FI5000
Compressive strength	BS EN 826	≥175kPa
Dimensional stability	BS EN 1604	DS(70,90)3 - DS(-20.-)1
Thermal conductivity	BS EN 12667	0.021 W/mK

Typical U-values

U-values will vary depending on application. To calculate a specific U-value, please visit our online U-value calculator at celotex.co.uk

Installation Guidelines

For full details of the installation of Celotex FI5000, please refer to the 'applications' pages of the website at celotex.co.uk and select the 'Flooring' specification guide.

Further Information

If you wish to contact Celotex, please visit celotex.co.uk and click on the 'contact us' page.

For information regarding [storage, installation and handling](#) of Celotex products, or for Health & Safety advice, please refer to the 'literature' pages of the website at celotex.co.uk.

Celotex has a policy of continuous product development and reserves the right to alter product designs or specifications without prior notice.