

**IMPORTANT: We have recently identified a compliance issue relating to our calculation and testing of the lambda value of products in our 4000 and 5000 range and the Crown-Bond and Crown-Fix products within Crown Flat Roofing range. Due to this issue, the suspension of the 5000 range will continue and now includes the FI5000 and GD5000 products. Materials relating to this product are for information only.**

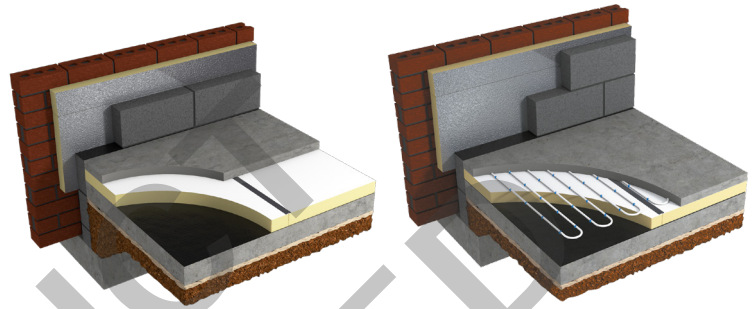
**Celotex FI5000 is our premium performance PIR solution for floors. Through ongoing product innovation and breakthrough design, FI5000 represents pioneering progression within the PIR market.**

It offers 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 through floor construction
- Has an enhanced compressive strength value of  $\geq 175$  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.



Celotex FI5000 in a concrete slab (left) and underfloor heating (right) application

- Uses the foam structure to ensure better pipe clip retention
- Is easy to cut and install
- Future proofs energy performance of new and existing buildings

## 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.

## Technical data

Thickness (mm)	R-value (m <sup>2</sup> K/W)	Weight (kg/m <sup>2</sup> )
75	3.55	3.36
100	4.75	4.32
125	5.95	5.28

## Physical properties

	Method	FI5000
<b>Compressive strength</b>	BS EN 826	$\geq 175$ kPa
<b>Dimensional stability</b>	BS EN 1604	DS(70,90)3 - DS(-20.-)1
<b>Thermal conductivity</b>	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 calculator at [celotex.co.uk](http://celotex.co.uk)

## Installation guidelines

For Celotex FI5000 installation details please refer to our online 'applications' pages and select the 'flooring' specification guide.

## Further information

If you wish to contact Celotex, please do so through the 'contact us' page on our website.

For information regarding storage, installation and handling of Celotex products, or for health & safety advice, please refer to our online 'literature' pages.

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

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