

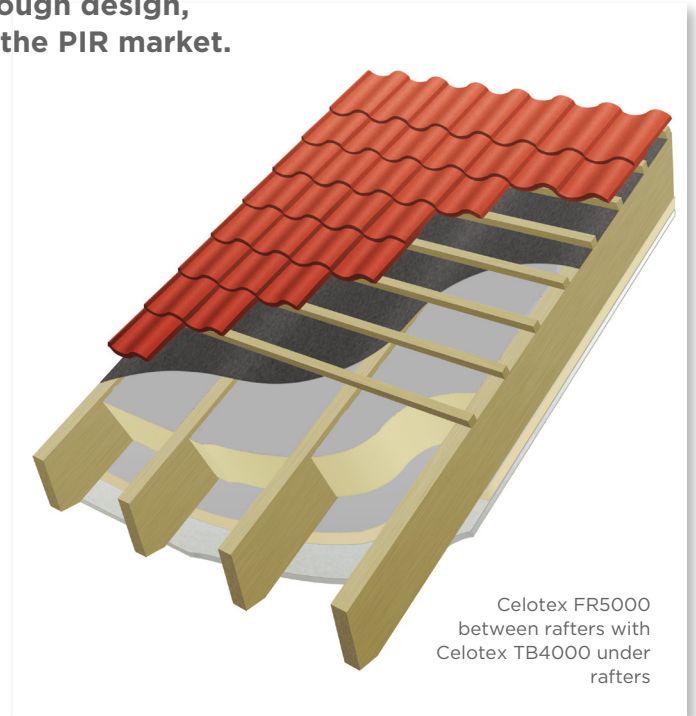
**Celotex FR5000 is our premium performance PIR solution. Through ongoing product innovation and breakthrough design, FR5000 represents pioneering progression within the PIR market.**

It offers an insulation board with enhanced thermal performance as well as an A+ rating when compared to the BRE Green Guide, Class 0 fire performance and super low emissivity values.

With super low emissivity textured aluminium foil facings, FR5000 is manufactured from rigid polyisocyanurate (PIR) using a blowing agent that has low global warming potential (GWP) and zero ozone depletion potential (ODP).

With Celotex FR5000 you are specifying an insulation board that:

- Has a lower thermal conductivity value (0.021W/mK) compared with other typical PIR insulation boards providing enhanced thermal performance
- Has super low emissivity textured aluminium foil facers, delivering some of the highest performing rigid board insulation solutions
- Achieves an A+ rating when compared to the BRE Green Guide
- Has Class 0 fire performance throughout the entire product in accordance with BS 476
- Is available in a broad range of thicknesses from 50-150mm
- Is suitable for a range of applications



## Applications

Celotex FR5000 can be specified for use in a variety of applications including:

- Pitched roofs
- Walls
- Floors

## Specification clause

The insulation shall be Celotex FR5000 \_\_\_\_mm thick, comprising a polyisocyanurate rigid foam insulation core featuring Celotex IQ providing super low emissivity, textured aluminium foil facings on both sides and Class 0 fire performance throughout the product in accordance with BS 476. FR5000 is A+ rated when compared to the BRE Green Guide and is CFC/HCFC free with low GWP and zero ODP and CE marking compliance to BS EN 13165. FR5000 is manufactured in accordance with quality management systems ISO 9001 and environmental management system ISO 14001. All products must be installed in accordance with instructions issued by Celotex.

## Technical data

Thickness (mm)	R-value (m <sup>2</sup> K/W)	Weight (kg/m <sup>2</sup> )
50	2.35	1.81
60	2.85	2.16
70	3.30	2.48
75	3.55	2.64
80	3.80	2.80
90	4.25	3.12
100	4.75	3.38
120	5.70	4.02
150	7.10	4.98

## Physical properties

	Method	FR5000
<b>Compressive strength</b>	BS EN 826	≥120kPa
<b>Dimensional stability</b>	BS EN 1604	DS (70, 90)3, DS (-20,-)1
<b>Water vapour resistance</b>	BS EN 12086: Method B	>150 MNs/g
<b>Thermal conductivity</b>	BS EN 12667	0.021 W/mK
<b>Fire propagation</b>	BS 476: Part 6	Pass
<b>Surface spread of flame</b>	BS 476: Part 7	Class 1

## 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](http://celotex.co.uk)

## A bit about us

Celotex products protect countless buildings the length and breadth of the UK. Providing PIR insulation for over 90 years, our solutions and product development continue to make a difference not just by creating warmth and comfort but by saving energy too. Every day, thousands of professionals choose Celotex. For them, Celotex is insulation. Plus, all Celotex products come with a suite of practical online tools, as well as exceptional personal support and aftercare.

### 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

Installation of Celotex FR5000 will depend on application type. For installation details please refer to our online 'applications' pages.

### 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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