



Celotex FF4000

Underfloor Heating Insulation Board

Celotex
 Insulation Specialists

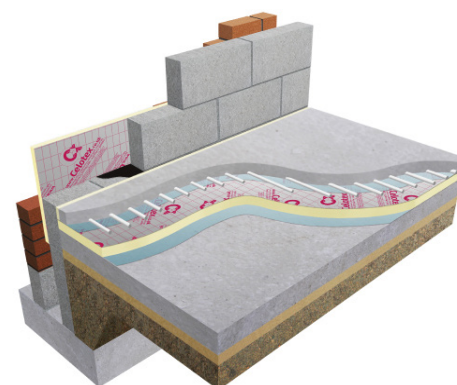
Introduction

Celotex FF4000 is a product range aimed specifically at the underfloor heating market where the increased compressive strength of the board provides better dimensional stability and resistance to site traffic during installation whilst the foam structure ensures better pipe clip retention.

FF4000 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 FF4000 you are specifying an insulation board that:

- Is a specialist product specifically aimed at the underfloor heating market
- Ensures minimal downward heat loss into structure
- Uses the foam structure to ensure better pipe clip retention
- Is easy to cut and fit into most spaces
- Is certified under BBA certificate number 95/3197
- Future proofs the energy performance of new and existing buildings



Celotex FF4000 , for underfloor heating applications

Applications

Celotex FF4000 is purpose designed for use in internal underfloor heating applications. Wet underfloor heating systems may be used with Celotex FF4000. The Celotex insulation is positioned above the concrete slab or floor deck. Compatibility with any given system should be checked with the system manufacturer. Underfloor heating systems must be installed carefully in line with the manufacturers recommendations.

Specification Clause

The insulation shall be Celotex FF4000 _____mm thick comprising a polyisocyanurate rigid foam insulation core with a thermal conductivity of 0.022 W/mK with low emissivity aluminium foil facings on both sides. Celotex FF4000 is CFC/HCFC free with zero ODP and low GWP and CE marking compliance to BS EN 13165. Celotex FF4000 is manufactured in accordance with quality management system ISO 9001 and environmental management system ISO 14001. All products must be installed in accordance with instructions issued by Celotex.

Celotex FF4000 Technical Data

Product Code	Thickness (mm)	R-value (m ² K/W)	Weight (kg/m ²)
FF4050	50	2.25	1.98
FF4070	70	3.15	2.68
FF4075	75	3.40	2.86
FF4085	85	3.85	3.21
FF4090	90	4.05	3.38
FF4100	100	4.50	3.73
FF4125	125	5.65	4.61

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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Physical Properties

	Method	FF4000
Compressive strength	BS EN 826	≥150kPa
Dimensional stability	BS EN 1604	DS(TH)8
Water vapour resistance	BS EN 12086	>150 MNs/g
Thermal conductivity	BS EN 12667	0.022 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 FF4000, please refer to the 'applications' pages of the website at celotex.co.uk and select the 'Underfloor Heating' datasheet .

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.

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