

Celotex GA4000 is a general purpose insulation board for floors, walls and roofs. It has long been at the heart of the Celotex product range providing the user with a range of thermal insulation solutions.

With low emissivity foil facings, GA4000 is manufactured from rigid polyisocyanurate (PIR) using a blowing agent that has zero ozone depletion potential (zero ODP) and low global warming potential (GWP).

With Celotex GA4000 you are specifying an insulation board that:

- Is suitable for use in a number of applications including roof, wall and floor systems
- Achieves an A+ rating when compared to the BRE Green Guide
- Is certified under BBA certificate number 95/3197 and 09/4667
- Includes low emissivity foil facings giving improved thermal insulation performance within cavity air spaces
- Is easy to cut and shape
- Provides reliable long-term energy savings for buildings



Celotex GA4000
in a concrete slab
floor application

Applications

Celotex GA4000 can be specified for use in a variety of applications including:

- Pitched roofs
- Flat roofs
- Solid masonry walls
- Timber framed & steel framed systems
- Floors

Specification clause

The insulation shall be Celotex GA4000 ____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 GA4000 is CFC/HCFC free with zero ODP and low GWP and CE marking compliance to BS EN 13165. Celotex GA4000 is manufactured in accordance with quality management system ISO 9001 and environmental management system ISO 14001. Celotex GA4000 achieves an 'A+' rating when compared to the BRE Green Guide. All products must be installed in accordance with instructions issued by Celotex.

Technical data

Thickness (mm)	R-value (m ² K/W)	Weight (kg/m ²)
50	2.25	1.55
60	2.70	1.90
70	3.15	2.19
75	3.40	2.34
80	3.60	2.48
90	4.05	2.76
100	4.50	3.27

Physical properties

	Method	GA4000
Compressive strength	BS EN 826	≥140kPa
Dimensional stability	BS EN 1604	DS(70,90)3, DS(-20,-)1
Water vapour resistance	BS EN 12086: Method B	>150 MNs/g
Thermal conductivity	BS EN 12667	0.022 W/mK
Surface spread of flame	BS 476-7	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

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

Installation guidelines

Installation of Celotex GA4000 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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