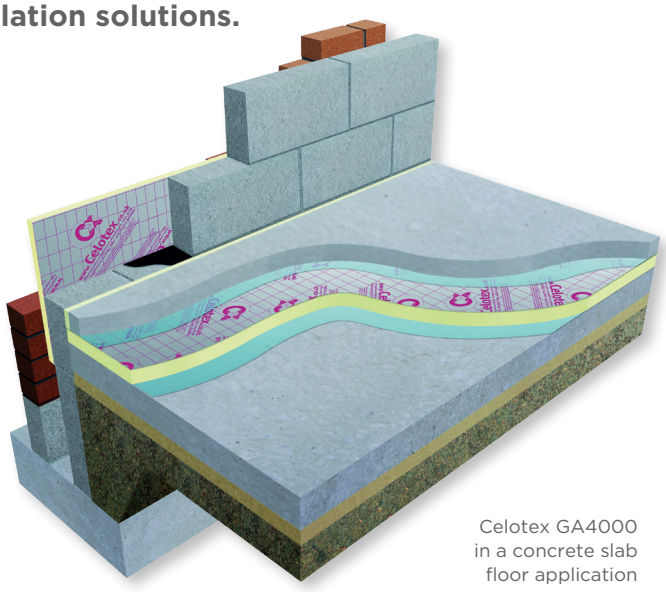
Celotex GA4000

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
- Includes low emissivity foil facings giving improved thermal insulation performance within cavity air spaces
- Is easy to cut and shape
- Can be used to improve reliable long-term energy savings for buildings
- Is certified under BBA certificate number 17/5405 and 16/5352



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, low GWP and CE marking. Celotex GA4000 is manufactured in accordance with quality management system ISO 9001 and environmental management system ISO 14001. All products must be installed in accordance with guidance issued by Celotex.

Where building regulation approval is required, you should take advice from your local building control authority and the building designer.

Technical data

Thickness (mm)	R-value (m^2K/W)	Maximum board weight (kg/m^2)
50	2.25	1.92
60	2.70	2.26
70	3.15	2.61
75	3.40	2.78
80	3.60	2.96
90	4.05	3.31
100	4.50	4.15

Physical properties

	Method	GA4000
Compressive strength	BS EN 826:2013	CS(10\Y)140
Dimensional stability	BS EN 1604 :2013	DS(70,90)3 DS(-20,-)1
Thermal conductivity	BS EN 12667:2001	0.022 W/mK
Surface spread of flame	BS 476-7:1997	Class 1
Reaction to fire	BS EN 13501-1:2007+A1:2009	E

Sustainable insulation

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

We have an experienced team of energy assessors who can carry out SAP calculations, water calculations, airtightness testing and much more. Contact us.

Celotex presents a comprehensive range of thermal bridging models featuring our industry leading PIR insulation products. This tool helps you identify the build-up required to reduce heat loss through a typical junction of elements or at openings. Sign up now.

A bit about us

Celotex products insulate 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 before and after sales service.

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 information, 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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