

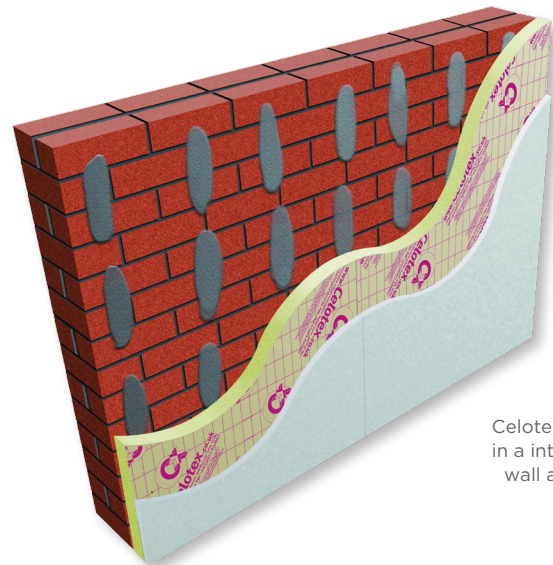
Celotex GD5000 is a plasterboard thermal laminate comprising of premium PIR insulation bonded to 12.5mm tapered edge plasterboard.

Designed specifically for internal dry-lining systems, GD5000 can be used to upgrade internal solid walls or provide a second layer of insulation including timber frame constructions and between and under pitched and flat roof applications.

Featuring a PIR foam core with super low lambda performance of 0.021 W/mK with aluminum foil/kraft paper facings, Celotex GD5000 is ideal for achieving better U-values and thinner solutions in adhesively bonded (dot & dab) applications. GD5000 is manufactured from rigid polyisocyanurate (PIR) using a blowing agent that has low global warming potential and zero ozone depletion potential.

With Celotex GD5000 you are specifying an insulation board that:

- Offers the highest performing PIR plasterboard thermal laminate
- Certified under BBA certificate number 12/4926 and is Ofgem approved
- Is suitable for achieving thinner solutions in plaster dab bonded and direct mechanically fixed dry lining applications
- Available and accredited for a wide range of installation techniques providing speed and flexibility to the installer, offering time and cost savings
- Allows common target U-values to be met with the thinnest possible solution



Celotex GD5000 in a internal solid wall application

Applications

Celotex GD5000 is purpose designed for providing better U-values and thinner solutions in adhesively bonded solid wall upgrades and other dry-lining applications. These include, timber frame constructions and the underneath layer of between and under build-ups in pitched and flat roofs.

Specification clause

The insulation shall be Celotex GD5000 ____mm thick comprising a polyisocyanurate rigid foam insulation core with a thermal conductivity of 0.021W/mK with aluminium foil/kraft paper facings on both sides bonded to a layer of 12.5mm tapered edge plasterboard. Celotex GD5000 is CFC/HCFC free with zero ODP and low GWP and CE marking compliance to BS EN 13950. Celotex GD5000 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.

Technical data

Thickness (mm)	R-value (m ² K/W)	Weight (kg/m ²)
25 + 12.5	1.25	9.18
40 + 12.5	1.95	9.66
50 + 12.5	2.40	9.98
60 + 12.5	2.90	10.33



Physical properties

	Method	GD5000
Compressive strength*	BS EN 826	≥120kPa
Dimensional stability*	BS EN 1604	DS(70,90)3, DS(-20,-)1
Thermal conductivity*	BS EN 12667	0.021W/mK
Fire resistance	BS EN 13501-1	Euroclass B-s1,d0

*Insulation only

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

For Celotex GD5000 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.

Care and preventative measures should be taken when lifting and installing Celotex GD5000 due to the weight of the plasterboard. 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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