

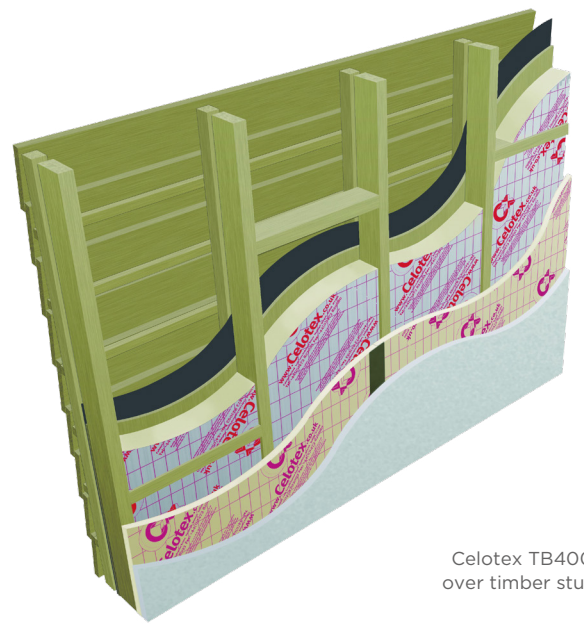
**IMPORTANT: We have recently identified a compliance issue relating to our calculation and testing of the lambda value of products in our 4000 and 5000 range and the Crown-Bond and Crown-Fix products within Crown Flat Roofing range. Please note that TB4000 manufactured after 15 December 2017 will be marketed from January as Celotex TB3000 with a declared lambda value of 0.023 W/mK. To read the full statement please visit the Celotex website homepage.**

## Celotex TB4000 is a multi-purpose insulation board developed to provide simple solutions for overcoming localised thermal bridges.

With low emissivity foil facings, TB4000 is manufactured from rigid polyisocyanurate (PIR) using a blowing agent that has zero ozone depletion potential (zero ODP) and low global warming potential (GWP). Our 12mm product positions Celotex as the manufacturer of the broadest range of product thicknesses, from 12-200mm.

With Celotex TB4000 you are specifying an insulation board that:

- Is suitable for use in a number of applications including roof, wall and floor systems
- Is specifically designed to eliminate thermal bridges
- Achieves an A+ rating when compared to the BRE Green Guide
- Is certified under BBA certificate numbers 17/5405 and 16/5352
- Includes low emissivity foil facings giving improved thermal insulation performance within cavity air spaces
- Provides reliable long-term energy savings for buildings



Celotex TB4000 over timber studs

### Applications

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

### Specification clause

The insulation shall be Celotex TB4000 \_\_\_\_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 TB4000 is CFC/HCFC free with zero ODP and low GWP and CE marking compliance to BS EN 13165. Celotex TB4000 is manufactured in accordance with quality management system ISO 9001 and environmental management system ISO 14001. Celotex TB4000 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 <sup>2</sup> K/W)	Weight (kg/m <sup>2</sup> )
12	0.50	0.50
20	0.90	0.72
25	1.10	0.85
30	1.35	0.98
40	1.80	1.26

## Physical properties

	Method	TB4000
<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	0.022 W/mK
<b>Surface spread of flame</b>	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](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 TB4000 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.

Saint-Gobain Construction Products UK Limited trading as Celotex. Registered Office: Saint-Gobain House, Binley Business Park, Coventry CV3 2TT. Registered in England and Wales No 734396