



Celotex TC3000

Flat Roof Insulation Board

Celotex
 Insulation Specialists

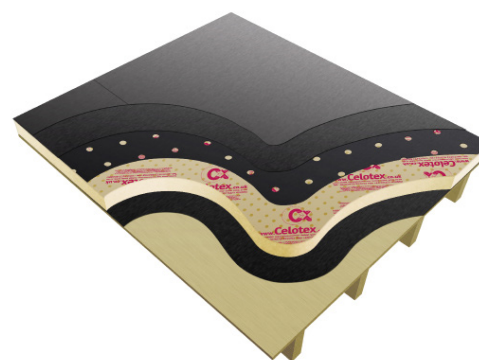
Introduction

Celotex TC3000 provides a quick and easy method of achieving effective thermal insulation in built-up flat roofing applications including hot applied bituminous, mastic asphalt and torch-on systems.

With bitumen polypropylene fleece facers on both sides, TC3000 is manufactured from rigid polyisocyanurate (PIR) using blowing agents that have zero ozone depletion potential (zero ODP) and a low global warming potential (GWP).

With Celotex TC3000, you are specifying an insulation board that:

- Can be used in a variety of built-up flat roofing applications including hot applied bituminous, mastic asphalt and torch on systems
- Removes the issues of double layer systems, working with sandy facers and installing the board the wrong way up
- Achieves U-values with minimum thickness
- Is strong and durable
- Comes in convenient sized boards for installation
- Future proofs the energy performance of new and existing buildings



Celotex TC3000
 over a timber deck

Applications

Celotex TC3000 is suitable for use in hot applied bituminous, mastic asphalt and torch-on flat roof systems.

Specification Clause

The insulation shall be Celotex TC3000 _____mm thick comprising a polyisocyanurate rigid foam insulation core with a thermal conductivity of 0.025 – 0.027 W/mK with bitumen polypropylene fleece facings on both sides. Celotex TC3000 is CFC/HCFC free with zero ODP and low GWP and CE marking compliance to BS EN 13165. Celotex TC3000 is manufactured in accordance with BS EN 13165, quality management system ISO 9001 and environmental management system ISO 14001. All products must be

Celotex TC3000 Technical Data

Product Code	Thickness (mm)	R-value (m ² K/W)	Weight (kg/m ²)
TC3050	50	1.85	2.26
TC3090	90	3.45	3.54
TC3100	100	3.80	3.86
TC3120	120	4.80	4.50
TC3130	130	5.20	4.82
TC3140	140	5.60	5.14
TC3150	150	6.00	5.46

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	TC3000
Compressive strength	BS EN 826	≥150kPa
Dimensional stability	BS EN 1604	DS(TH)8
Thermal conductivity	BS EN 12667	0.027 W/mK <80mm 0.026 W/mK 80mm - 119mm 0.025 W/mK ≥ 120mm

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 TC3000, please refer to the 'applications' pages of the website at celotex.co.uk.

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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