

Celotex TC3000

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 a blend of 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
- Is dimensionally stable and unaffected by temperature cycles
- Is easy to cut and shape
- Comes in a range of thicknesses from 50-150mm

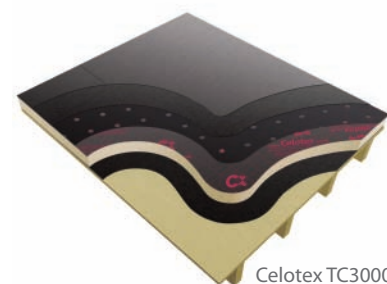
Applications

Celotex TC3000 is suitable for use in **hot applied bituminous, mastic asphalt and torch-on 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. 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 installed in accordance with instructions issued by Celotex.

Product Code	Thickness (mm)	R-value (m ² K/W)	Weight (kg/m ²)
TC3050	50	1.85	2.40
TC3100	100	3.80	4.00
TC3120	120	4.80	4.64
TC3130	130	5.20	4.96
TC3140	140	5.60	5.28
TC3150	150	6.00	5.60



Celotex TC3000 over a timber deck

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 2008.

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



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 refer to our online [U-value calculator](#) at [celotex.co.uk](#)

Installation Guidelines

For full details of the installation of Celotex TC3000, please refer to the '[application](#)' pages of the website at [celotex.co.uk](#) and select the application of interest.

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.

*Calls to the Celotex Technical Centre are charged at 30p per minute from a BT landline and lines are open Monday - Friday from 8.00am - 5.15pm. Details are correct at date of publication - July 2011.

Celotex Limited
Lady Lane Industrial Estate,
Hadleigh, Ipswich
Suffolk IP7 6BA

T: 0901 996 0100*
W: [celotex.co.uk](#)

Registered Office:
Lady Lane Industrial Estate
Hadleigh, Ipswich, Suffolk IP7 6BA
Registered in England No 2183896