



## Celotex TD4000

Flat Roof Insulation Board

**Celotex**  
Insulation Specialists

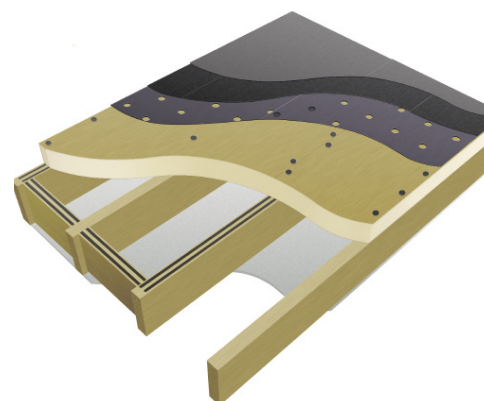
### Introduction

Celotex TD4000 provides a quick and easy way to achieve effective thermally insulated flat roof decks for building structures such as small extensions or garage roofs where there will only be occasional trafficking.

TD4000 is 5.5mm WBP exterior grade plywood bonded to rigid polyisocyanurate foam board, manufactured using a blowing agent that has zero ozone depletion potential (ODP) and a low global warming potential (GWP).

With Celotex TD4000 you are specifying an insulation board that:

- Is ideal for use in occasionally trafficked applications
- Is a three-in-one product to provide deck, vapour control layer and insulation
- Provides warm roof construction due to over joist installation
- Is rapidly installed and weatherproofed
- Accepts a wide variety of weathering systems
- Provides reliable long term energy savings for buildings
- Future proofs the energy performance of new and existing buildings



Celotex TD4000 in an insulated deck application

### Applications

Celotex TD4000 is purpose designed for use in light traffic flat roof applications.

### Specification Clause

The insulation shall be Celotex TD4000 \_\_\_\_\_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 bonded to a layer of 5.5mm WBP plywood. Celotex TD4000 is CFC/HCFC free with zero ODP and low GWP and CE marking compliance to BS EN 13165. Celotex TD4000 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.

### Celotex TD4000 Technical Data

Product Code	Thickness (mm)	R-value (m <sup>2</sup> K/W)	Weight (kg/m <sup>2</sup> )
TD4096	96	4.10	6.46
TD4106	106	4.55	6.97
TD4116	116	5.00	7.28
TD4126	126	5.45	7.58

### 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)



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### Physical Properties

	Method	TD4000
Compressive strength*	BS EN 826	≥140kPa
Dimensional stability*	BS EN 1604	DS(TH)8
Water vapour resistance*	BS EN 12086	>150 MNs/g
Thermal conductivity*	BS EN 12667	0.022 W/mK

### 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](http://celotex.co.uk)

### Installation Guidelines

For full details of the Installation of Celotex TD4000, please refer to the 'applications' pages of the website at [celotex.co.uk](http://celotex.co.uk).

### Further Information

If you wish to contact Celotex, please visit [celotex.co.uk](http://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](http://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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