



## Celotex TA4000

Flat Roof Insulation Board

**Celotex**  
Insulation Specialists

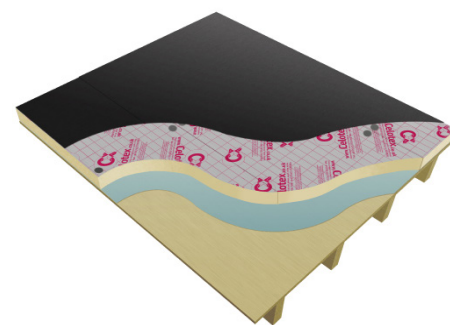
### Introduction

Celotex TA4000 provides a quick and easy method of achieving effective thermal insulation in single-ply flat roofing applications.

With low emissivity foil facings, TA4000 is manufactured from rigid polyisocyanurate (PIR) using a blowing agent that has zero ozone depletion potential (zero ODP) and low global warming potential (GWP)

With Celotex TA4000, you are specifying insulation board that:

- Is designed for use in single-ply membrane applications where the board can be secured to the deck via mechanical fixings, thermally broken fixings or with ballast
- Is ideal for fast construction schedules
- Achieves U-values with minimum thickness
- Future proofs the energy performance of new and existing buildings



Celotex TA4000 over timber deck

### Applications

- Under mechanically fixed single-ply membranes
- PVC membranes
- EPDM membranes

### Specification Clause

The insulation shall be Celotex TA4000 \_\_\_\_\_mm thick comprising a polyisocyanurate rigid foam insulation core with a thermal conductivity of 0.022 W/mK and low emissivity aluminium foil facings on both sides. Celotex TA4000 is CFC/HCFC free with zero ODP and low GWP and CE marking compliance to BS EN 13165. Celotex TA4000 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.

### 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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### Celotex TA4000 Technical Data

Product Code	Thickness (mm)	R-value (m <sup>2</sup> K/W)	Weight (kg/m <sup>2</sup> )
TA4050	50	2.25	1.98
TA4070	70	3.15	2.68
TA4085	85	3.85	3.21
TA4090	90	4.05	3.38
TA4100	100	4.50	3.73
TA4110	110	5.00	4.08
TA4115	115	5.20	4.26
TA4120	120	5.45	4.43
TA4125	125	5.65	4.61
TA4130	130	5.90	4.78
TA4135	135	6.10	4.96
TA4140	140	6.35	5.13

### Physical Properties

	Method	TA4000
Compressive strength	BS EN 826	≥150kPa
Dimensional stability	BS EN 1604	DS(TH)8
Water vapour resistance	BS EN 12086: Method B	>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 TA4000, 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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