

**Product Data Sheet**

**Application:** Multi-Purpose

# CELOTEX PL4000



## PIR Plasterboard Laminate for Multiple Applications

Celotex PL4000 is an easy to install polyisocyanurate (PIR) insulation board with a paper facing, laminated to a piece of 12.5mm tapered edge plasterboard. Available in thicknesses from 25mm to 65mm (insulation only), it can be considered for use in roof and internal wall lining applications.

## Features & Benefits



### Thermal Performance

Excellent thermal performance with a thermal conductivity of 0.022 W/m.K, reducing the thickness of insulation required to hit the target U-value.



### Time Saving

Celotex PL4000 brings together both insulation and plasterboard creating a 2-in-1 solution to insulate and dry line walls or roofs at the same time.



### Easy to Install

Celotex boards are rigid assisting with ease of transportation, handling and fitting.



### BBA Certified

Celotex PL4000 has been assessed by the BBA as fit for use in plasterboard thermal laminate applications if installed, used and maintained as set out in the certificate. Please read the certification at [insulation-UK.com/BBA](https://insulation-UK.com/BBA) for full details and restrictions.



### Sustainability

Celotex PL4000 achieves a BRE Green Guide Rating of A+, which can assist in demonstrating environmental performance in your BREEAM assessments. Please visit the Celotex page at [GreenBookLive.com](https://GreenBookLive.com) for further details.

# Key Considerations

When using Celotex PL4000, you need to satisfy yourself that use of the product meets all relevant national Building Regulations and guidance as well as local, national and other applicable standards relevant for your construction or application, including requirements in relation to fire and applicable height restrictions.

Please refer to the following product documents which are available at [insulation-uk.com/products/celotex-pl4000](https://insulation-uk.com/products/celotex-pl4000) (product properties) and [insulation-uk.com/healthandsafety](https://insulation-uk.com/healthandsafety) (safety properties):

- BBA certificate
- Declaration of Performance
- Health & safety datasheet

Celotex PL4000 should not be used in the external walls of buildings over 18 metres in height (England and Wales) or 11 metres in height (Scotland). Recent changes to Building Regulations mean that only non-combustible insulation or insulation of limited combustibility can be used in buildings of that height.

# Product Specification

Thickness	Lambda Value (W/m.K)	R-Value* (m <sup>2</sup> .K/W)	Length (mm)	Width (mm)	Maximum Weight (kg/m <sup>2</sup> )	Pieces per Pallet
25+12.5mm	0.022	1.20	2400	1200	9.99	52
40+12.5mm	0.022	1.85	2400	1200	10.46	44
50+12.5mm	0.022	2.30	2400	1200	10.96	36
60+12.5mm	0.022	2.75	2400	1200	11.31	32
65+12.5mm	0.022	3.00	2400	1200	11.48	28

\*R-Value including plasterboard

# Characteristics

<b>Thermal</b>	The PIR component of Celotex PL4000 has a declared thermal conductivity of 0.022 W/m.K, according to BS EN 13165 for factory made rigid polyurethane foam (PU) products.
<b>Fire</b>	Euroclass B-s1, d0 Reaction to Fire classification, according to BS EN 13501-1.
<b>Environmental</b>	All Celotex products are manufactured under Environmental Management System - ISO 14001:2015. Celotex has complied with the requirements of Environmental Profile BRE Global Scheme Document SD028 and BRE Methodology for Environmental Profile of Construction Products SD6050. Celotex PL4000 has obtained the BRE Global Certification Mark. Certificate number ENP413.

<b>Certification</b>	BBA Approved (Cert no 16/5357) for plasterboard thermal laminate applications, when installed, used and maintained as set out in the certification. Please visit <a href="https://insulation-uk.com/BBA">insulation-uk.com/BBA</a> to read the full certification for details and restrictions. UKCA Marked to BS EN 13950.
<b>Handling, Storage, Health and Safety</b>	Information regarding storage, installation and handling of Celotex products and health & safety information (including as to products of combustion), can be found at <a href="https://insulation-uk.com/healthandsafety">insulation-uk.com/healthandsafety</a>
<b>Quality</b>	All Celotex products are manufactured under Quality Management Standard - ISO 9001:2015.



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Celotex reserves the right to amend or revise product specification without notice. The information in this publication is correct at the time of publication. The information herein should not be read in isolation as it is meant only as guidance for the user, who should always ensure that they are fully conversant with the products and systems being used and their subsequent installation prior to the commencement of work.

For an up-to-date library of product information, users should visit the website at [insulation-uk.com](http://insulation-uk.com)

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