

**Product Data Sheet**

**Application:** Cavity Walls

# THERMACLASS CAVITY WALL 21



## PIR Insulation for Full Fill Masonry Cavity Walls

Thermaclass Cavity Wall 21 is an easy to install, polyisocyanurate (PIR) insulation board for full fill cavity wall applications, with excellent thermal performance (0.021 W/m.K). Featuring a low emissivity foil facing, it can be installed with up to a 10mm residual cavity (to support ease of installation and accommodate mortar squeeze) or as a full fill solution with no residual cavity.

## Features & Benefits



### Thermal Performance

Excellent thermal performance with a thermal conductivity of 0.021 W/m.K, reducing the thickness of insulation required to hit the target U-value.



### Easy to Install

The boards are sized to fit standard cavity wall tie spacing. They are light and rigid, assisting with ease of transportation, handling and fitting.



### High Performance Facer

Low emissivity foil facing provides improved thermal performance in sealed cavity air spaces, improving the achievable U-value (based on a residual cavity of 10mm).



### BBA Certified

Thermaclass Cavity Wall 21 has been assessed by the BBA as fit for use in defined full fill cavity wall 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.

# Key Considerations

When using Thermaclass Cavity Wall 21, 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/thermaclass-cavity-wall-21](https://insulation-uk.com/products/thermaclass-cavity-wall-21) (product properties) and [insulation-uk.com/healthandsafety](https://insulation-uk.com/healthandsafety) (safety properties):

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

Thermaclass Cavity Wall 21 should not be used in the external walls of buildings over 11 metres in height. Recent changes to Building Regulations mean that only non-combustible insulation or insulation of limited combustibility should be used in buildings of that height.

# Product Specification

Thickness (mm)	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
			Gross (including tongue)	Net (installed)	Gross (including tongue)	Net (installed)		
90	0.021	4.25	1205	1190	465	450	2.80	96
115	0.021	5.45	1205	1190	465	450	3.55	80
140	0.021	6.65	1205	1190	465	450	4.30	64

# Characteristics

**Thermal** Thermaclass Cavity Wall 21 has a declared thermal conductivity of 0.021 W/m.K, according to BS EN 13165 for factory made rigid polyurethane foam (PU) products.

**Fire** Euroclass F Reaction to Fire classification, according to BS EN 13501-1. Products with this level of classification are not provided with a rating for smoke emission.

**Environmental** All Celotex products are manufactured under Environmental Management System - ISO 14001:2015.

**Certification** BBA Approved (Cert no 16/5343) for full fill cavity walls, when installed, used and maintained as set out in the certification. Please visit [insulation-uk.com/BBA](https://insulation-uk.com/BBA) to read the full certification for details and restrictions. UKCA Marked to BS EN 13165

**Handling, Storage, Health and Safety** Information regarding storage, installation and handling of Celotex products and health & safety information (including as to products of combustion), can be found at [insulation-uk.com/healthandsafety](https://insulation-uk.com/healthandsafety). Details on installation for Thermaclass Cavity Wall 21 can be found at [insulation-uk.com/thermaclass-cavity-wall-21](https://insulation-uk.com/thermaclass-cavity-wall-21).

**Quality** All Celotex products are manufactured under Quality Management Standard - ISO 9001:2015.



**CELOTEX**

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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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