



Celotex EL3000

Flat Roof Insulation Board

Celotex
Insulation Specialists

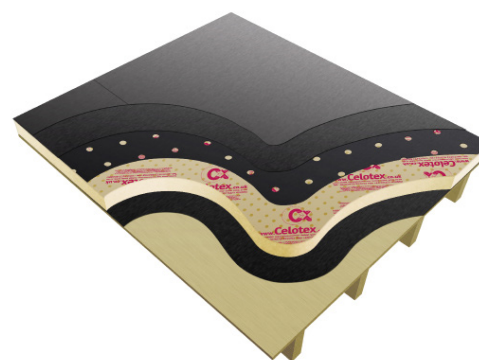
Introduction

Celotex EL3000 provides a quick and easy method of achieving effective thermal insulation in flat roofing structures.

With coated glass tissue facings, EL3000 is manufactured from rigid polyisocyanurate (PIR) using a blowing agent that has zero ozone depletion potential (zero ODP) and a low global warming potential (GWP).

With Celotex EL3000, you are specifying insulation board that:

- Is designed for use in a variety of flat roof systems
- Achieves U-values with minimum thickness
- Comes in convenient sized boards for installation
- Requires minimum number of fixings
- Future proofs the energy performance of new and existing buildings



Celotex EL3000
over a timber deck

Applications

The facers are suitable for bonding in the following flat roofing applications:

Perforated facer

- Mastic asphalt
- Bituminous built-up roofing systems

Unperforated facer

- Single-ply, fully adhered flat roof systems
- Single-ply, mechanically fixed flat roof systems
- Self-adhesive membranes

Specification Clause

The insulation shall be Celotex EL3000 _____mm thick comprising a polyisocyanurate rigid foam insulation core with a thermal conductivity of 0.025 - 0.027 W/mK with mineral coated glass tissue facings on both sides. Celotex EL3000 is CFC/HCFC free with zero ODP and low GWP and CE marking compliance to BS EN 13165. Celotex EL3000 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



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Celotex EL3000 Technical Data

Product Code	Thickness (mm)	R-value (m ² K/W)	Weight (kg/m ²)
EL3050	50	1.85	2.04
EL3080	80	3.05	3.00
EL3090	90	3.45	3.32
EL3100	100	3.80	3.64
EL3120	120	4.80	4.28
EL3130	130	5.20	4.60
EL3140	140	5.60	4.92
EL3150	150	6.00	5.24

Physical Properties

	Method	EL3000
Compressive strength	BS EN 826	≥150kPa
Dimensional stability	BS EN 1604	DS(TH)8
Water vapour resistance	BS EN 12086: Method B	>20 MNs/g
Thermal conductivity	BS EN 12667	0.027 W/mK <80mm 0.026 W/mK 80mm - 119mm 0.025W/mK ≥120mm
External fire exposure roof test	BS 476-3	Ext. FAB

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

Installation Guidelines

For full details of the Installation of Celotex EL3000, please refer to the 'applications' pages of the website at celotex.co.uk.

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.

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