



Celotex XR4000

Multi-Purpose Insulation Board

Celotex
SAINT-GOBAIN

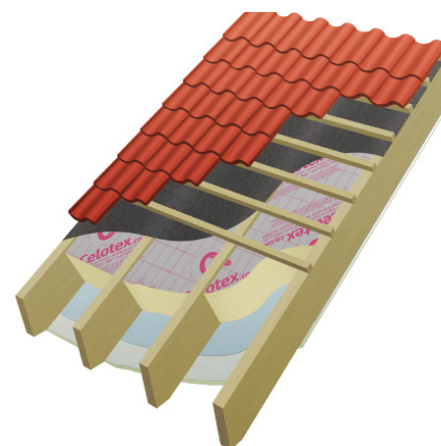
Introduction

Celotex XR4000 is targeted at 'cut-to-fit' applications between rafters or joists and enables users to achieve lower U-values with a single layer of insulation than has previously been possible. XR4000 is also appropriate for use in floors and walls. Our 200mm thick product positions Celotex as the manufacturer of the broadest range of product thicknesses from 12mm-200mm.

With low emissivity foil facings, XR4000 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 XR4000 you are specifying an insulation board that:

- Is suitable for use in a number of applications including roof, wall and floor systems
- Provides the thickest PIR insulation available from stock within the market
- Is certified under BBA certificate numbers 95/3197 and 09/4667
- Helps meet the current and future requirements of Approved Document L and Section 6, BREEAM and The Code for Sustainable Homes
- Includes low emissivity foil facings giving improved thermal insulation performance within cavity air spaces
- Provides reliable long-term energy savings for buildings



Celotex XR4000 between rafters

Applications

Celotex XR4000 can be specified for use in a variety of applications including:

- Pitched roofs
- Flat roofs
- Solid masonry walls
- Timber framed & steel framed systems
- Floors

Specification Clause

The insulation shall be Celotex XR4000 _____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. Celotex XR4000 is CFC/HCFC free with zero ODP and low GWP and CE marking compliance to BS EN 13165. Celotex XR4000 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 XR4000 Technical Data

| Product Code | Thickness (mm) | R-value (m ² K/W) | Weight (kg/m ²) |
|--------------|----------------|------------------------------|-----------------------------|
| XR4110 | 110 | 5.00 | 3.58 |
| XR4120 | 120 | 5.45 | 3.88 |
| XR4130 | 130 | 5.90 | 4.19 |
| XR4140 | 140 | 6.35 | 4.49 |
| XR4150 | 150 | 6.80 | 4.79 |
| XR4165 | 165 | 7.50 | 5.43 |
| XR4200 | 200 | 9.05 | 6.53 |

Physical Properties

| | Method | XR4000 |
|-------------------------|-----------------------|------------|
| Compressive strength | BS EN 826 | ≥140kPa |
| 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 |
| Surface spread of flame | BS 476-7 | Class 1 |

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

Installation of Celotex XR4000 will depend on application type. For full details of the installation of Celotex XR4000, please refer to the 'applications' pages of the website at celotex.co.uk and select the application of interest.

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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