

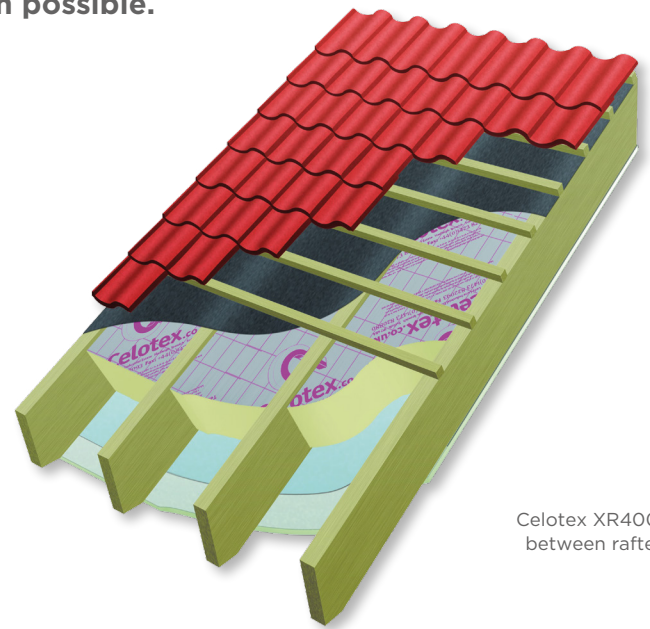
Celotex XR4000 is targeted at 'cut-to-fit' applications between rafters or joists and enables users to achieve lower U-values with a single layer of insulation than has previously been possible.

Celotex 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 12-200mm.

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

- 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.

Technical data

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

Physical properties

| | Method | XR4000 |
|--------------------------------|-----------------------|------------------------|
| Compressive strength | BS EN 826 | ≥140kPa |
| Dimensional stability | BS EN 1604 | DS(70,90)3, DS(-20,-)1 |
| 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 |

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

A bit about us

Celotex products protect countless buildings the length and breadth of the UK. Providing PIR insulation for over 90 years, our solutions and product development continue to make a difference not just by creating warmth and comfort but by saving energy too. Every day, thousands of professionals choose Celotex. For them, Celotex is insulation. Plus, all Celotex products come with a suite of practical online tools, as well as exceptional personal support and aftercare.

Typical U-values

U-values will vary depending on application. To calculate a specific U-value, please visit our online calculator at celotex.co.uk

Installation guidelines

For Celotex XR4000 installation details please refer to our online 'applications' pages and select the application of interest.

Further information

If you wish to contact Celotex, please do so through the 'contact us' page on our website.

For information regarding storage, installation and handling of Celotex products, or for health & safety advice, please refer to our online 'literature' pages.

Celotex has a policy of continuous product development and reserves the right to alter product designs or specifications without prior notice.

Saint-Gobain Construction Products UK Limited trading as Celotex. Registered Office: Saint-Gobain House, Binley Business Park, Coventry CV3 2TT. Registered in England and Wales No 734396