

Thicket Priory, Yorkshire



Nuns go green with Celotex insulation

Planning a new home to move into, the nuns of Thicket Priory monastery placed green technology at the top of their list of specifications. Built by Hobson & Porter, under a partnering contract, thermally efficient Celotex insulation boards were fitted into the roof, floors and walls of the new building. Owing to the varied use of insulation across the project the Project Team chose to use Celotex products from both the FR4000 and GA4000 range to provide high quality insulation targeted to the various needs of the scheme.

Wall and roof insulation was provided by the groundbreaking FR4000. A pioneering development in polyisocyanurate (PIR) insulation board, it offers remarkable features with excellent thermal efficiency as well as Class O fire performance. In addition, it achieves an 'A' rating when compared to the BRE Green Guide 2008, as well as low Global Warming Potential and zero Ozone Depletion Potential, making it ideal for the green aims of the project.

Celotex GA4000 was used for the under floor insulation, aimed at providing the monastery with a complete and super effective thermal shell. Laid onto a base of substrate, the GA4000 boards were then covered with a flooring screed. The advantage of this type of underfloor insulation is principally in energy saving, as the tightly butted joints of the Celotex boards prevent the transfer of cold from the ground and ensure that there is no thermal bridging at the edges of the floors.

The diligent use of insulation on this project resulted in a significant reduction in heating needs. This was essential given that the nuns were to rely on a geothermal system for heating provision. The monastery's high performance thermal shell, provided by Celotex, ensured that their green heating system was able to function effectively and goes a long way to combating carbon emissions – over 50% of domestic CO₂ emissions stem from space heating requirements.

At the end of the project, the nuns of Thicket Priory invited all of the designers and contractors who had helped them move into their energy efficient new home to an inauguration service. The celebration marked an enjoyable transition for the nuns to their new monastery – kept warm by supremely thermally efficient Celotex insulation.

For more information visit celotex.co.uk

Product Overview

Celotex GA4000 applications:

- Pitched Roofs
- Flat Roofs
- Solid Masonry Walls
- Timber Framed & Steel Framed systems
- Floors

Celotex FR4000 applications:

- Pitched Roofs
- Walls
- Floors

