

BSF Scheme, Knowsley



High grade insulation is top of the class in Knowsley

Setting a benchmark for education in Britain, the Building Schools for the Future (BSF) programme has constructed seven state of the art centres for learning for Knowsley's community. Looking for top class insulation to meet the high standards of the project, specifiers opted for proven Celotex GA4000 boards.

At a cost of £150 million, and delivered by Balfour Beatty Construction, the stylish and modern buildings have replaced the borough's aging secondary schools and have already won prestigious British Council for School Environment awards for excellence.

As energy efficiency was high on the list of specifications for the buildings, architects Aedas specified that high performing Celotex GA4000 PIR insulation be used between and under the rainscreen cladding to provide an effective thermal envelope.

Installed by specialist contractors Speedwell Roofing, the rigid, self-supporting 50mm thick boards were ideal for installation on the steel frame constructions. Easily cut to shape, the insulation was then pinned to cement particle boards that were attached to the structure's steel frames. Effective under rainscreen cladding to a height of 18 metres, the GA4000 boards not only provide high grade insulation, but create a warm environment within the building envelope that reduces cold bridging from the metal helping hand cladding supports.

The attractive exterior cladding, made possible by Celotex' protection of the structure's thermal envelope, is in direct opposition to the functional plate glass facilities of yesteryear and creates a stimulating and engaging learning environment. Built to benefit not simply students but entire communities, the centres for learning in Knowsley represent a fresh architectural perspective and a new and inclusive philosophy.

Now prepared for an influx of students, the seven Knowsley BSF centres for learning provide the community with attractive institutions that offer a standard of education fit for the 21st Century. From the technology laden classrooms to their stylish open atriums, they boast supremely high energy efficiency that lowers costs and protects the environment – thanks to the hidden magic of Celotex GA4000.

For more information visit celotex.co.uk

GA4000 Product Overview

Celotex GA4000 can be specified for use in a variety of applications including:

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

