

# Case Study...

## Buswells Lodge Primary School

### Client

Leicester City Council.

### Project Location

Beauville Drive, Leicester.

### Product Details

Thermafleece – 200mm sheep's wool insulation slabs installed above suspended ceiling.

### Design and Installation Criteria

- Highly insulated construction.
- Excellent acoustics within each classroom.
- Utilise sustainable, low toxicity materials in construction.

### Project Outline

The Governors of Buswells Lodge wanted new classrooms that met the needs of its pupils which included improving the acoustics within each classroom. Thermafleece was installed above the suspended ceiling in each classroom in order to improve the acoustics as well as providing thermal insulation.

### Project Details

Noise levels were identified by Ofsted as a weakness within the existing school building and so alleviating this problem and creating a healthy and environment friendly classroom area were fundamental to the new development.

With acoustic absorption coefficients better than conventional rock or glass insulation at the same density Thermafleece was an ideal choice when considering how to insulate above the suspended ceilings. 200mm Thermafleece was installed above the suspended ceiling which helped greatly reduce sound reverberation within the classroom.

As well as using Thermafleece as the natural insulation, the building also had geothermal underfloor heating, solar water heating, sun pipes to create as much natural light as possible and a sedum planted roof. Environ supported the school by working with the pupils to plant a wildlife garden with wildflower sensory area as well as creating a pond.

### Benefits

- Greatly enhanced acoustics within each classroom.
- Low energy consumption.
- The breathability of Thermafleece and its proximity above the classroom ceiling helps create a comfortable indoor climate.

For further details of the products and support we offer visit our web site [www.thermafleece.com](http://www.thermafleece.com) or call us on **01768 486285**.

