

Berwick Hills Primary School Key Facts and Figures

Building Information

- *A basic description of the project and building*

Berwick Hills Primary was an existing primary school in Middlesbrough built in the 1950's. It received funding through the Government's Primary Capital Programme. The project involved the construction of a completely new primary school on the existing school site with the demolition of the existing school building. After the existing building was demolished all the remaining external works were completed, which included a MUGA, play areas, habitat and landscaping, etc., together with the car park and access routes.

- *BREEAM rating and score*

Very good - minimum score of 55 (to be confirmed)

- *The key innovative and low-impact design features of the building*

Air Source Heat Pumps are to be used in conjunction with underfloor heating. This will achieve a significant reduction in carbon emissions compared to a traditional boiler installation.

- *Basic building cost - £/m²*

£1,171.00 per m²

- *Services costs - £/m²*

£543.00 per m²

- *External works - £/m²*

£265.00 per m²

- *Gross floor area - m²*

2869m²

- *Total area of site – hectares*

2.63 hectares (whole site)

- *Function areas and their size (m²)*

General Teaching 2118m²; Hall 183m², Kitchen 90m²

- *Area of circulation (m²)*

425m²

- *Area of storage (m²)*

53m²

- *% area of grounds to be used by community (where relevant)*

3%

- *% area of buildings to be used by community (where relevant)*

3%

- *Predicted electricity consumption - kWh/m²*

56.4 kWh/an/m²

- *Predicted fossil fuel consumption - kWh/m²*

0.09 kWh/m²

- *Predicted renewable energy generation - kWh/m²*
1.28 kWh/an/m²

- *Predicted water use - m³/person/year*
1700 m³/person/year

- *% predicted water use to be provided by rainwater or greywater*
N/A

- *The steps taken during the construction process to reduce environmental impacts, i.e. innovative construction management techniques*

Responsible sourcing of materials such as timber

Use of recycled hardcore

Contractors Construction Site Waste Management

- *A list of any social or economically sustainable measures achieved/piloted*

Air source heat pumps

Middlesbrough Council engaged Tees Valley Wildlife Trust to work with the design team and school to enhance the schools ecology

Enhancement of the schools natural habitat area

Provision of cycle storage

The school area actively encouraging recycling

The main contractor obtained a very high score under the Considerate Contractors Scheme by engaging with the school and local community during the project

Photo Voltaic Panels fitted to roof areas to generate electricity

Photocells and PIR sensors for energy saving