

Publication of Building Information Firth Park School

A basic description of the project and building	New Sports Hall and associated External Works
The key innovative and low-impact design features of the building	Solar Wall used which gives some free heating thereby reducing gas loads.
Basic Building Cost - £/m2	£2311/m2
Services Costs - £/m2	£285/m2
External Works - £/m2	2900m2
Gross floor area - m2	1298m2
Total area of site - hectares	-
Functional areas and their size - m2	1130m2
Area of circulation - m2	75m2
Area of storage - m2	95m2
% area of school grounds to be used by community	100%
% area of school buildings to be used by community	100%
Predicted electricity consumption - kWh/m2	60 kWh/m2
Predicted fossil fuel consumption - kWh/m2	100 kWh/m2
Predicted renewable energy generation - kWh/m2	30 kWh/m2
Predicted water use - m3/pupil/year	6.7m3/pupil/year
% predicted water use to be provided by rainwater or grey water	No Rain or Grey Water System
The steps taken during the construction process to reduce environmental impacts, i.e. innovative construction management techniques.	<ul style="list-style-type: none"> • Recording & Reducing CO₂ arising from transport to & from site. • Reducing on-site water consumption. • Following Best practice for air and water pollution. • 4) Using only FSC timber.



A list of any social or economically sustainable measures achieved/piloted.	<ul style="list-style-type: none">• Sustainability workshops carried out in addition to producing sustainability guide for school. The aim is to improve long term sustainability of school and impart sustainability culture amongst staff and students.• Public use of Sports hall will improve long term health and social activity of local community.
BREEAM Rating and score	Very Good, 55

* BREEAM (Building Research Establishment's Environmental Assessment Method) used as an environmental assessment method for buildings to ensure best practice in sustainable design and used to measure a buildings environmental performance.