Energy Performance Certificate for buildings other than dwellings

Energy Performance Certificate

Building Energy Performance — Scotland

Calculated asset rating using iSBEM v3.4.b [SBEM]	Building type Primary school	Current rating

	Carbon Neutral	**Excellent**
	A (0 to 15)	
	B (16 to 30)	
	C (31 to 45)	
	D (46 to 60)	
	E (61 to 80)	**E**
	F (81 to 100)	
	G (100+)	**Very Poor**

Carbon Dioxide Emissions The number refers to the calculated carbon dioxide emissions in terms of kg per m² of floor area per year	**77**
Approximate current energy use per m² of floor area:	**182** kWh/m²

Main heating fuel: Grid Supplied Electricity
Building Services: Heating with Nat. Vent.
Renewable energy source:
Electricity: Grid supplied

Carbon Dioxide is a greenhouse gas which contributes to climate change.
Less Carbon Dioxide emissions from buildings helps the environment.

Benchmarks

A building of this type built to building regulations standards current at the date of issue of this certificate would have a rating:	**37**	**C+**
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:	**43**	**C**

Recommendations for the cost-effective improvement (lower cost measures) of the energy performance

1. Occupancy controls on lighting.
2. Install variable speed pumps.
3. Install more efficient water heater.
4. Consider replacing T8 lamps with retrofit T5 conversion kit.
5. Some walls have uninsulated cavities - introduce cavity wall insulation.
6. Add local time control to heating system.

Address: Middleton Park Primary School, Jesmond Drive, Bridge of Don, Aberdeen,
Conditioned area (m²): 1153
Name of protocol organisation: BRE Global, [BRE-ND-EPC00535]
Date of issue of certificate: 12 Nov 2010 (Valid for a period not exceeding 10 years)

This certificate is a requirement of EU Directive 2002/91/EC on the energy performance of buildings.

NB THIS CERTIFICATE MUST BE AFFIXED TO THE BUILDING AND NOT REMOVED UNLESS REPLACED WITH AN UPDATED VERSION AND FOR PUBLIC BUILDINGS DISPLAYED IN A PROMINENT PLACE