Energy Performance Certificate for buildings other than dwellings

Energy Performance Certificate

Building Energy Performance — Scotland

Calculated asset rating using iSBEM v4.1.c [SBEM]	Building type Restaurants and Cafes/Drinking Est./Takeaways	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)	
F	(81 to 100)	
G	(100+)	G 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	**132**
Approximate current energy use per m² of floor area:	**299** kWh/m²

Main heating fuel: Natural Gas
Building Services: Air conditioning
Renewable energy source: Heat pumps
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:	**101**	G
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:	**116**	G

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

1. Replace tungsten GLS lamps with CFLs: Payback period dependent on hours of use.

2. Consider replacing T8 lamps with retrofit T5 conversion kit.

3. The default chiller efficiency is chosen. It is recommended that the chiller system be investigated to gain an understanding of its efficiency and possible improvements.

4. The default heat generator efficiency is chosen. It is recommended that the heat generator system be investigated to gain an understanding of its efficiency and possible improvements.

5. Add weather compensation controls to heating system.

6. Carry out a pressure test, identify and treat identified air leakage. Enter result in EPC calculation.

Address: McPhabbs Bar, 23 Sandyford Place, GLASGOW, G3 7NG
Conditioned area (m²): 183
Name of protocol organisation: Stroma Accreditation Ltd, [00000034555]
Date of issue of certificate: 26 Sep 2011 (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