	Building Energy Performance			Scotland
Energy Performance Certificate	Calculated asset rating using DesignBuilder SBEM v3.0.0 [SBEM]		ding type ces and Workshop business	es Current rating
			ırbon Neutral	Excellent
		A	(0 to 15)	
		_		
		В	(16 to 30)	
Ce		С	(31 to 45)	
rman		D	(46 to 60)	<b>D</b> +
		Ε	(61 to 80)	
Į		F	(81 to 100)	
)er		G	(100+)	
<u> </u>	Carbon Dioxide Emissions		Very Poor	
ıg	The number refers to the calculated carbon dioxide emissions in terms of kg per m² of floor area per year			52
Ene	Approximate current energy use per m <sup>2</sup> of floor area:			<b>116</b> 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:  B  B				
Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating:  ??				
Recommendations for the cost-effective improvement (lower cost measures) of the energy performance				
Replace tungsten GLS lamps with CFLs: Payback period dependent on hours of use.  4. Add optimum start/stop to the heating system.				
Consider replacing T8 lamps with retrofit T5 conversion kit.			5. Install more efficient water heater.	
			6. Some windows have high U-values - consider installing secondary glazing.	

Address: Johnstone House, 50-54 Rose Street, ABERDEENAB10 1UD

Conditioned area (m<sup>2</sup>): 5130

Name of protocol organisation: Stroma Accreditation Ltd, [STRO005748]

**Date of issue of certificate:** 03 Feb 2013 (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