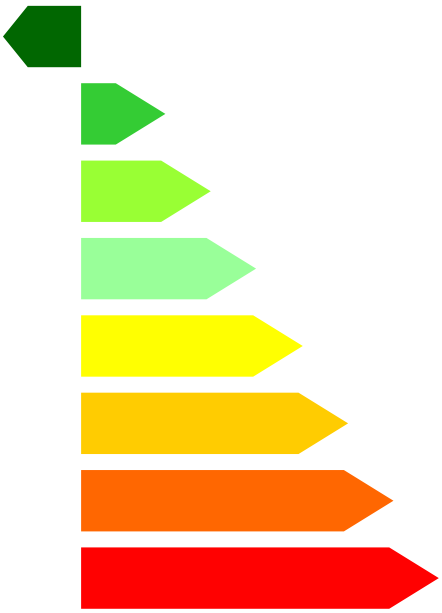
Energy Performance Certificate for buildings other than dwellings

# Energy Performance Certificate

## Building Energy Performance — Scotland

| Calculated asset rating using iSBEM v4.1.d [SBEM] | Building type Offices and Workshop businesses | **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 | **112** |
| Approximate current energy use per m² of floor area: | **220** kWh/m² |

**Main heating fuel:** Grid Supplied Electricity
**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: | **25** | **B** |
| Where the accompanying recommendations for the cost effective improvement of energy performance are applied, this building would have a rating: | **0** | **??** |

## 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. Introduce HF (high frequency) ballasts for fluorescent tubes: Reduced number of fittings required.

4. Add time control to heating system.

5. Add optimum start/stop to the heating system.

6. 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.

**Address:** Office Block 1, Valley Park Greenock, Inverkip Road, GREENOCKPA16 0FA
**Conditioned area (m²):** 6746
**Name of protocol organisation:** Stroma Accreditation, [000000]
**Date of issue of certificate:** 28 Nov 2012 (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**