

Regulations Compliance Report

Approved Document L1A, 2013 Edition, England assessed by Stroma FSAP 2012 program, Version: 1.0.5.9
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Project Information:

Assessed By:

Building Type: Flat

Dwelling Details:

NEW DWELLING AS BUILT

Total Floor Area: 93.87m²

Site Reference :

Plot Reference: Flat 1

Address :

Client Details:

Name:

Address :

This report covers items included within the SAP calculations.

It is not a complete report of regulations compliance.

1a TER and DER

Fuel for main heating system: Mains gas

Fuel factor: 1.00 (mains gas)

Target Carbon Dioxide Emission Rate (TER) 18.28 kg/m²

Dwelling Carbon Dioxide Emission Rate (DER) 11.82 kg/m² **OK**

1b TFEE and DFEE

Target Fabric Energy Efficiency (TFEE) 56.8 kWh/m²

Dwelling Fabric Energy Efficiency (DFEE) 50.5 kWh/m² **OK**

2 Fabric U-values

Element	Average	Highest	
External wall	0.19 (max. 0.30)	0.22 (max. 0.70)	OK
Party wall	0.00 (max. 0.20)	-	OK
Floor	0.17 (max. 0.25)	0.17 (max. 0.70)	OK
Roof	0.17 (max. 0.20)	0.17 (max. 0.35)	OK
Openings	1.40 (max. 2.00)	1.40 (max. 3.30)	OK

2a Thermal bridging

Thermal bridging calculated from linear thermal transmittances for each junction

3 Air permeability

Air permeability at 50 pascals	4.68	
Maximum	10.0	OK

4 Heating efficiency

Main Heating system:	Database: (rev 466, product index 018686): Boiler systems with radiators or underfloor heating - mains gas Brand name: Worcester Model: 2000 Model qualifier: GC2000iW 25 C NG (Combi) Efficiency 89.0 % SEDBUK2009 Minimum 88.0 %	OK
Secondary heating system:	None	

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5 Cylinder insulation

Hot water Storage: No cylinder

6 Controls

Space heating controls TTZC by plumbing and electrical services **OK**

Hot water controls: No cylinder thermostat

No cylinder

Boiler interlock: Yes **OK**

7 Low energy lights

Percentage of fixed lights with low-energy fittings 100.0%

Minimum 75.0% **OK**

8 Mechanical ventilation

Not applicable

9 Summertime temperature

Overheating risk (Midlands): Not significant **OK**

Based on:

Overshading: Average or unknown

Windows facing: East 5.29m²

Windows facing: East 3.94m²

Windows facing: West 2.65m²

Windows facing: West 11.6m²

Windows facing: South 0.96m²

Ventilation rate: 4.00

10 Key features

Party Walls U-value 0 W/m²K

Photovoltaic array