

Regulations Compliance Report

Approved Document L1A 2010 edition assessed by Stroma FSAP 2009 program, Version: 1.5.0.95

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Project Information:

Assessed By: Mike Ovenden (STRO006697)

Building Type: Maisonette

Dwelling Details:

NEW DWELLING DESIGN STAGE

Site Reference : 69 highgate road

Plot Reference: Top Two storey maisonette

Address : Top Two storey maisonette , 69 High Street , Highgate, N6

Client Details:

Name:

Address :

This report covers items included within the SAP calculations.

It is not a complete report of regulations compliance.

1 TER and DER

Fuel for main heating system: Natural gas

Fuel factor: 1.00 (natural gas)

Target Carbon Dioxide Emission Rate (TER) 19.36 kg/m²

Dwelling Carbon Dioxide Emission Rate (DER) 18.09 kg/m² **OK**

2 Fabric U-values

Element	Average	Highest	
External wall	0.20 (max. 0.30)	0.20 (max. 0.70)	OK
Party wall	0.00 (max. 0.20)	-	OK
Floor	0.16 (max. 0.25)	0.16 (max. 0.70)	OK
Roof	0.16 (max. 0.20)	0.16 (max. 0.35)	OK
Openings	1.16 (max. 2.00)	2.00 (max. 3.30)	OK

3 Air permeability

Air permeability at 50 pascals	5.10	
Maximum	10.0	OK

4 Heating efficiency

Main Heating system:	Database: (rev 393, product index 010324): Boiler system with radiators or underfloor - mains gas Brand name: Vaillant Model: Ecotec Plus Model qualifier: 630 (Regular boiler) Efficiency 89.0 % SEDBUK2009 Minimum 88.0 %	OK
Secondary heating system:	None	

5 Cylinder insulation

Hot water Storage:	Nominal cylinder loss: 2.01 kWh/day Permitted by DBSCG: 2.30 kWh/day	OK
Primary pipework insulated:	Yes	OK

6 Controls

Space heating controls	Time and temperature zone control by suitable arrangement of plumbing and electrical se	OK
Hot water controls:	Cylinderstat	OK
	Independent timer for DHW	OK
Boiler interlock:	Yes	OK

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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 (Thames valley):	Not assessed	?
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10 Key features

Windows U-value	1.1 W/m ² K
Floors U-value	0.16 W/m ² K
Photovoltaic array	