

BUILDING LEAKAGE TEST

Date of Test: 16/01/21

Technician: Aston Mckay

Test File: Plot 8

Customer: W. Stirland Ltd
Redmoor Estate
Main Road
Chichester, West Sussex PO20 7HT
Phone: 01243 512381
Fax:

Building Address: First Floor Apartment
Plot 8 (Pressurize)
Pamber Heath Road
Pamber, Tadley, Hampshire RG26 3TH

Test Results at 50 Pascals:

V50: Airflow (m³/h) 176 (+/- 0.8 %)
n50: Air Changes per Hour (1/h) 1.21
w50:
q50:

Leakage Areas:

76.2 cm² (+/- 3.1 %) Canadian EqLA @ 10 Pa
42.9 cm² (+/- 4.9 %) LBL ELA @ 4 Pa

Building Leakage Curve:

Air Flow Coefficient (Cenv) = 17.7 (+/- 7.8 %)
Air Leakage Coefficient (CL) = 17.7 (+/- 7.8 %)
Exponent (n) = 0.587 (+/- 0.021)
Correlation Coefficient = 0.99494

Test Standard:

EN 13829 Test Mode: Pressurization

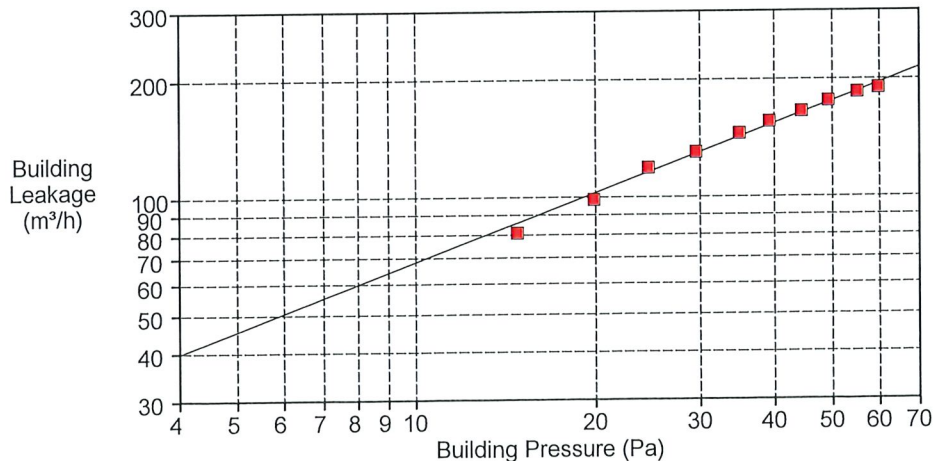
Type of Test Method:

B Regulation complied with: ADL1A - 2013

Equipment:

Model 3 Minneapolis Blower Door, S/N 12596

Inside Temperature:	23 °C	Volume:	146 m ³
Outside Temperature:	8 °C	Surface Area:	
Barometric Pressure:	101421 Pa	Floor Area:	
Wind Class:	1 Light Air	Uncertainty of	
Building Wind Exposure:	Highly Protected Building	Building Dimensions:	5 %
Type of Heating:	Gas	Year of Construction:	2021
Type of Air Conditioning:	None		
Type of Ventilation:	MVHR		



BUILDING LEAKAGE TEST Page 2

Date of Test: 16/01/21 Test File: Plot 8

Comments

Pre Test

- Open Extractors shut and sealed
 - External doors and windows shut tight
-

Data Points: Depressurization:

Nominal Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow (m ³ /h)	Temperature Adjusted Flow (m ³ /h)	% Error	Fan Configuration
0.7	n/a				
15.5	39.4	79	81	-5.7	Ring D
20.6	58.6	96	99	-3.7	Ring D
30.3	103.2	127	130	0.8	Ring D
40.0	148.5	152	156	2.1	Ring D
50.0	190.3	171	176	1.0	Ring D
60.5	222.1	185	190	-2.7	Ring D
55.8	210.9	180	185	-0.5	Ring D
45.2	167.6	161	165	0.8	Ring D
35.7	128.7	141	145	1.9	Ring D
25.3	85.6	116	119	2.5	Ring D
0.7	n/a				
Test 0	Baseline (Pa):	p01- = 0.0	p01+ = 0.7	p02- = 0.0	p02+ = 0.7