

# BUILDING LEAKAGE TEST

Date of Test: 27/11/20  
 Test File: Plot 8

Technician: Aston Mckay

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

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

**Test Results at 50 Pascals:**

V50: Airflow (m<sup>3</sup>/h) 192 ( +/- 0.6 %)  
 n50: Air Changes per Hour (1/h) 1.32  
 w50:  
 q50:

**Leakage Areas:**

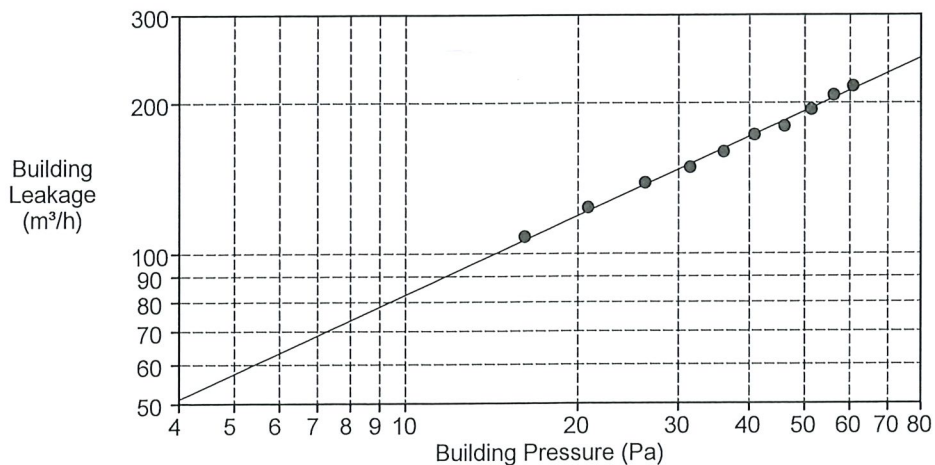
92.3 cm<sup>2</sup> ( +/- 2.1 %) Canadian EqLA @ 10 Pa  
 55.0 cm<sup>2</sup> ( +/- 3.4 %) LBL ELA @ 4 Pa

**Building Leakage Curve:**

Air Flow Coefficient (Cenv) = 24.0 ( +/- 5.4 %)  
 Air Leakage Coefficient (CL) = 24.7 ( +/- 5.4 %)  
 Exponent (n) = 0.525 ( +/- 0.014 )  
 Correlation Coefficient = 0.99704

Test Standard: EN 13829 Test Mode: Depressurization  
 Type of Test Method: B Regulation complied with: ADL1A - 2013  
 Equipment: Model 3 Minneapolis Blower Door, S/N 12596

Inside Temperature:	15 °C	Volume:	146 m <sup>3</sup>
Outside Temperature:	3 °C	Surface Area:	
Barometric Pressure:	101867 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:	2020
Type of Air Conditioning:	None		
Type of Ventilation:			



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### Comments

#### Pre Test

- Open Extractors shut and sealed
  - External doors and windows shut tight
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### Data Points: Depressurization - Data Entered Manually

Nominal Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow (m <sup>3</sup> /h)	Temperature Adjusted Flow (m <sup>3</sup> /h)	% Error	Fan Configuration
0.6	n/a				
-15.5	78.2	111	108	1.6	Ring D
-20.2	102.9	127	124	1.7	Ring D
-30.8	149.3	152	149	-1.5	Ring D
-40.2	202.1	176	173	-0.3	Ring D
-50.7	26.5	198	194	-0.6	Ring C
-60.1	32.8	221	216	1.4	Ring C
-55.5	30.2	212	207	1.4	Ring C
-45.4	219.2	184	180	-2.6	Ring D
-35.4	172.5	163	160	-1.5	Ring D
-25.6	129.4	142	138	0.9	Ring D
0.7	n/a				
Test 0 Baseline (Pa):		p01- = 0.0	p01+ = 0.6	p02- = 0.0	p02+ = 0.7