

# BUILDING LEAKAGE TEST

Date of Test: 27/11/20  
Test File: Plot 7

Technician: Aston Mckay

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

Building Address: Ground Floor Apartment  
Plot 7 (Test 3) Final  
Pamber Heath Road  
Pamber, Tadley, Hampshire RG26 3TH

## Test Results at 50 Pascals:

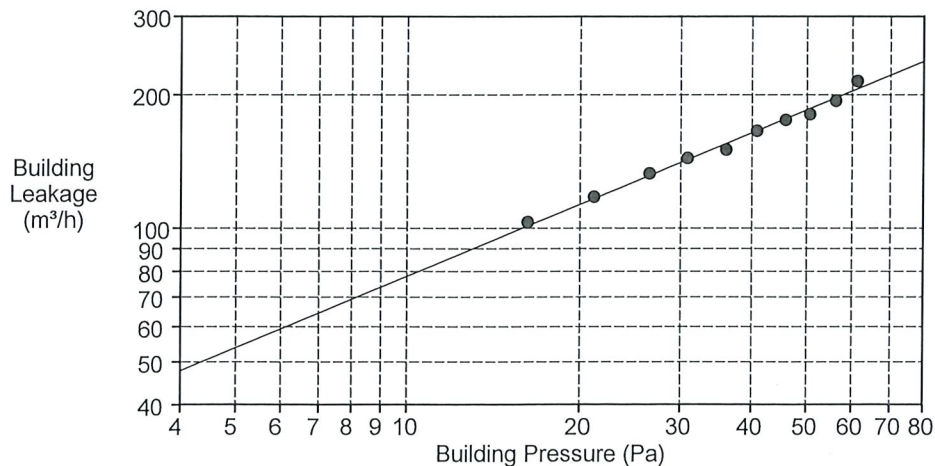
V50: Airflow (m<sup>3</sup>/h) 185 ( +/- 1.0 %)  
n50: Air Changes per Hour (1/h) 1.44  
w50:  
q50:

**Leakage Areas:** 87.1 cm<sup>2</sup> ( +/- 3.5 %) Canadian EqLA @ 10 Pa  
51.4 cm<sup>2</sup> ( +/- 5.6 %) LBL ELA @ 4 Pa

**Building Leakage Curve:** Air Flow Coefficient (Cenv) = 22.0 ( +/- 8.9 %)  
Air Leakage Coefficient (CL) = 22.7 ( +/- 8.9 %)  
Exponent (n) = 0.537 ( +/- 0.024 )  
Correlation Coefficient = 0.99225

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:	128 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				
-15.6	71.5	106	103	2.0	Ring D
-20.5	93.2	121	118	1.0	Ring D
-30.2	140.2	147	144	0.8	Ring D
-40.2	186.7	170	166	-0.1	Ring D
-50.0	222.1	185	181	-3.1	Ring D
-60.6	32.5	220	215	4.2	Ring C
-55.5	26.5	198	194	-1.6	Ring C
-45.2	209.1	179	175	-0.8	Ring D
-35.4	153.2	154	150	-3.1	Ring D
-25.8	119.3	136	133	1.1	Ring D
0.7	n/a				
Test 0 Baseline (Pa):		p01- = 0.0	p01+ = 0.6	p02- = 0.0	p02+ = 0.7