

BUILDING LEAKAGE TEST

L&F Solutions Limited
Accredited Air Tightness Testing - Registered with the IATS

1 Booths Hill Road, Lymm, WA13 0DJ

Phone: 01925 758999 or 07830441884

Date of Test: 21/01/2025

Technician: J C DONALD

Test File: Plot 09, 2 Bed Mid Floor Apartment, Test Worksheet

Customer: Concorde no.1 LTD
1 Middlewich Road
Holmes Chapel
Crewe, Cheshire CW4 7EA
Phone:
Fax:

Building Address: Plot 09
2 Bed Mid Floor Apartment
402 Wilmslow Road
Manchester,

Test Results at 50 Pascals:

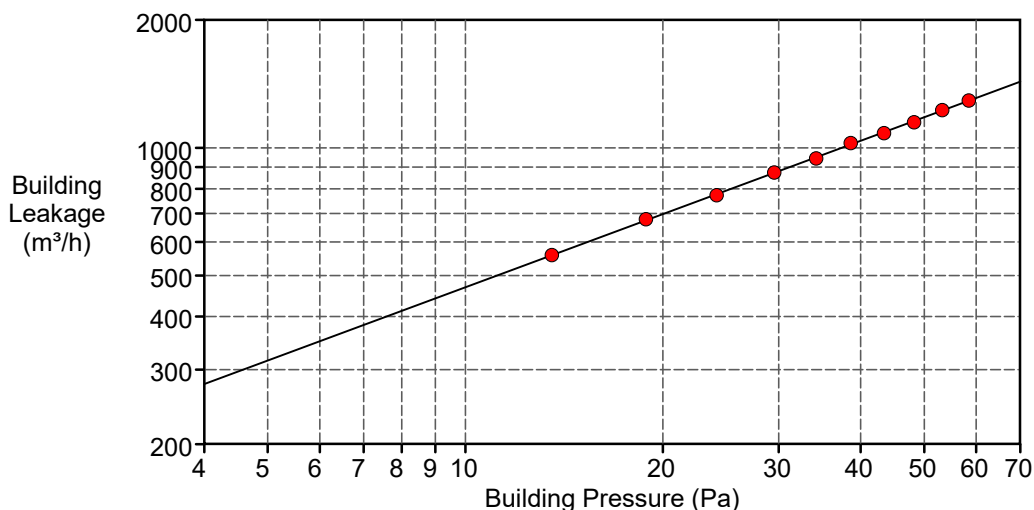
V50: Airflow (m³/h) 1180 (+/- 0.2 %)
n50: Air Changes per Hour (1/h)
w50:
q50: m³/(h*m² Surface Area) 4.68

Leakage Areas: 523.5 cm² (+/- 0.7 %) Canadian EqLA @ 10 Pa or 2.08 cm²/m² Surface Area
298.7 cm² (+/- 1.2 %) LBL ELA @ 4 Pa or 1.19 cm²/m² Surface Area

Building Leakage Curve: Air Flow Coefficient (Cenv) = 124.0 (+/- 1.9 %)
Air Leakage Coefficient (CL) = 125.4 (+/- 1.9 %)
Exponent (n) = 0.573 (+/- 0.005)
Correlation Coefficient = 0.99969

Test Standard: EN 13829 Test Mode: Depressurization
Type of Test Method: B Regulation complied with: Approved Document L1a
Equipment: Model 3 Minneapolis Blower Door, S/N 33262

Inside Temperature:	14 °C	Volume:	
Outside Temperature:	6 °C	Surface Area:	252 m ²
Barometric Pressure:	99040 Pa	Floor Area:	
Wind Class:	1 Light Air	Uncertainty of	
Building Wind Exposure:	Partly Exposed Building	Building Dimensions:	5 %
Type of Heating:	ELECTRIC	Year of Construction:	2025
Type of Air Conditioning:	N/A		
Type of Ventilation:	M.V.H.R		



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Comments

Tested at 10:15

Data Points: Depressurization - Data Entered Manually

Nominal Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow (m³/h)	Temperature Adjusted Flow (m³/h)	% Error	Fan Configuration
-1.2	n/a				
-59.6	163.9	1315	1293	0.2	Ring B
-54.4	147.6	1248	1228	0.4	Ring B
-49.4	129.0	1168	1149	-0.6	Ring B
-44.6	114.5	1101	1083	-0.5	Ring B
-39.8	102.7	1044	1026	0.8	Ring B
-35.4	86.6	959	943	-0.6	Ring B
-30.7	74.2	889	874	0.2	Ring B
-25.3	57.8	786	773	-0.6	Ring B
-20.0	44.4	690	678	0.6	Ring B
-14.7	30.0	568	559	0.2	Ring B
-1.1	n/a				

Test 0 Baseline (Pa): p01- = -1.2 p01+ = 0.0 p02- = -1.1 p02+ = 0.0

Air Permeability Test Certificate

Unique Certificate Number: 10478563



Building Name/Plot Number:
09

Building Address:
402 Wilmslow Road,
Manchester,
Greater Manchester,

Property Type: Flat - Mid floor

Air Permeability (AP)

4.68

$\text{m}^3(\text{h.m}^2) @ 50\text{Pa}$

Design Target

None Declared

Design Target Achieved?

N/A

Flow Exponent (n):

0.573

Coefficient of Determination (r^2):

0.9996

Test Information

Test Method: Blower Door

Test Standard: CIBSE TM23

Test Date: 21st January 2026

Retest: No

Building Envelope Area (m^2): 252.00

Building Volume (m^3):

Type of Building: New Build Domestic

Building Status: Complete

Building Preparations: Drainage traps filled/sealed, Internal doors opened, Windows & external doors closed, Trickle vents closed, Mechanical Ventilation grilles sealed

Deviations/Notes: None Declared

Tester Information

Company: L & F Solutions Ltd

Name: Jacob Donald

Level of Competence: Level 1

EAS Tester Number: 1053

Contact: 01925 758999
nick@lfsolutions.co.uk

Testers Report Reference: 26-01-21

Related Party Disclosure: No related party

Should you have any enquires about this certificate or require the full test report please contact the testing company.

Elmhurst Airtightness Scheme - Registered Competent Persons Scheme

16 St Johns Business Park, Lutterworth, Leicestershire, LE17 4HB
e: airtest-support@elmhurstenergy.co.uk, t: 01455 555 217
w: elmhurstairtightness-scheme.co.uk