

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: 13/01/2026

Technician: J C DONALD

Test File: Plot 10, 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 10
2 Bed Mid Floor Apartment
402 Wilmslow Road
Manchester,

Test Results at 50 Pascals:

V50: Airflow (m³/h) 1137 (+/- 0.4 %)
n50: Air Changes per Hour (1/h)
w50:
q50: m³/(h*m² Surface Area) 4.51

Leakage Areas:

513.8 cm² (+/- 1.3 %) Canadian EqLA @ 10 Pa or 2.04 cm²/m² Surface Area
296.2 cm² (+/- 2.0 %) LBL ELA @ 4 Pa or 1.18 cm²/m² Surface Area

Building Leakage Curve:

Air Flow Coefficient (Cenv) = 124.3 (+/- 3.2 %)
Air Leakage Coefficient (CL) = 126.3 (+/- 3.2 %)
Exponent (n) = 0.562 (+/- 0.009)
Correlation Coefficient = 0.99904

Test Standard:

EN 13829 Test Mode:

Depressurization

Type of Test Method:

B

Regulation complied with:

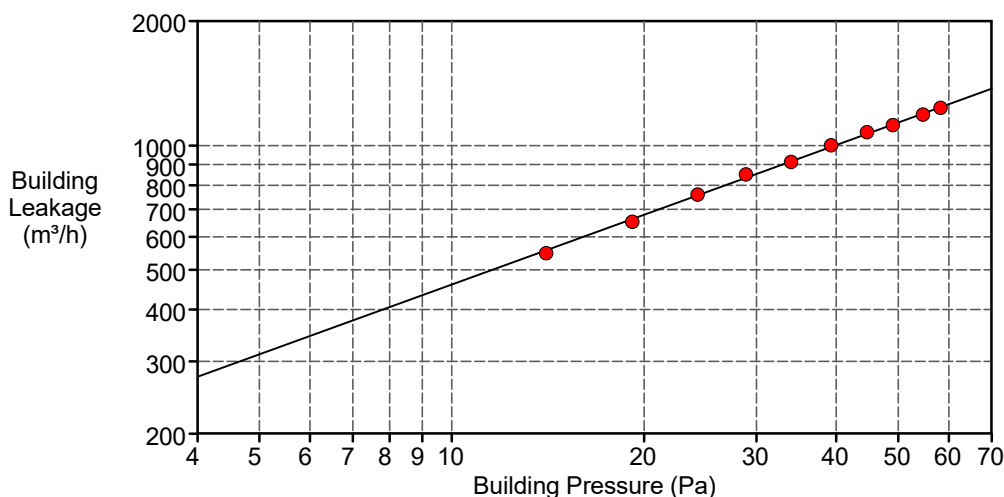
Approved Document L1a

Equipment:

Model 3 Minneapolis Blower Door, S/N 33262

Inside Temperature: 14 °C
Outside Temperature: 7 °C
Barometric Pressure: 100490 Pa
Wind Class: 1 Light Air
Building Wind Exposure: Partly Exposed Building
Type of Heating: ELECTRIC
Type of Air Conditioning: N/A
Type of Ventilation: M.V.H.R

Volume: 252 m³
Surface Area: 252 m²
Floor Area:
Uncertainty of
Building Dimensions: 5 %
Year of Construction: 2025



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Comments

Tested at 15:20

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
-1.0	n/a				
-59.3	148.4	1252	1233	-0.5	Ring B
-55.7	137.9	1207	1189	-0.5	Ring B
-50.1	122.0	1136	1119	-0.5	Ring B
-45.7	113.0	1094	1078	1.0	Ring B
-40.3	97.3	1016	1001	0.8	Ring B
-35.0	80.6	926	912	-0.3	Ring B
-29.9	69.9	863	850	1.8	Ring B
-25.3	55.8	772	761	0.4	Ring B
-20.2	41.0	663	653	-1.5	Ring B
-15.1	28.7	556	548	-1.7	Ring B
-1.1	n/a				
Test 0 Baseline (Pa): p01- = -1.0 p01+ = 0.0 p02- = -1.1 p02+ = 0.0					

Air Permeability Test Certificate

Unique Certificate Number: 10478591



Building Name/Plot Number:
10

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

Property Type: Flat - Mid floor

Air Permeability (AP)

4.51

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

Design Target

None Declared

Design Target Achieved?

N/A

Flow Exponent (n):

0.562

Coefficient of Determination (r^2):

0.9990

Test Information

Test Method: Blower Door

Test Standard: CIBSE TM23

Test Date: 13th 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: 26-01-13

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

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w: elmhurstairtightness-scheme.co.uk