

AIR PERMEABILITY TEST CERTIFICATE

Certificate Number: 2526014

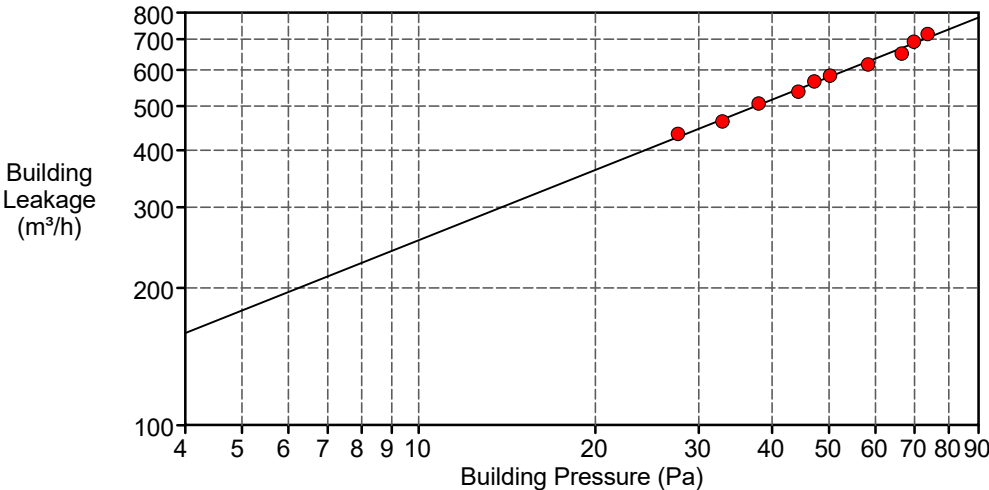
Issued by: HIBEC Ltd Address: 106A High Street Henley-In-Arden Warwickshire B95 5BY	
Telephone: 01564 795566	Email: Enquiries@hibec.co.uk
Report reference: AT2526-014	
Building Details:	
Building Identifier: 3 Old Paddock	
Building Address: Old Paddock, Harbury, Warwickshire, CV33 9NF	
Type: Detached Dwelling	
Construction: Timber Frame Wall, Timber Floor, Insulated Pitched Roof	
Size: Footprint 107.34 m ²	Envelope 457.03 m ²
Ventilation: Type 1	Primary Heating: None
Mastic sealing: all external walls	General notes: all traps filled with water
Test Details:	
Date: 19/12/2025	
Data input: Manual	Test Type: Whole Building- depressurisation
Temporary sealing: all fans and vents	Deviations: None
Test results:	
This Building Air Tightness Test was conducted using equipment supplied and calibrated by BSRIA and the test undertaken in accordance with the requirements of ATTMA technical standard 1 and the BINDT quality procedure by HIBEC Limited, 106a High Street, Henley-In-Arden, Warwickshire, B95 5BY. Telephone 01564 795566.	
Results:	
Design Air Permeability	3.00 m³.h.m²@50Pa
Air Permeability (AP₅₀)	1.27 m³.h.m²@50Pa
Is the air permeability less than or equal to the design air permeability?	
✓ The result achieved meets the Design Air Permeability requirement	
Air volume @ 50Pa = 578 m ³ /h	Air Flow exponent (n) = 0.511
Correlation of results (r²) = 0.99486	

BUILDING LEAKAGE TEST

Date of Test: 19/12/2025	Technician: J White
Test File: 3 Old Paddock Harbury	
Customer: Dynamic Build UK 11 Brindley Place Brunswick Square Birmingham, West Midlands B1 2JB Phone: Fax:	Building Address: New Dwelling 3 Old Paddock Harbury, Warwickshire CV33 9NF

Test Results at 50 Pascals:	
V50: Airflow (m³/h)	578 (+/- 0.5 %)
n50: Air Changes per Hour (1/h)	
w50:	
q50: m³/(h*m² Surface Area)	1.27
Leakage Areas:	283.6 cm² (+/- 3.1 %) Canadian EqLA @ 10 Pa or 0.62 cm²/m² Surface Area 171.3 cm² (+/- 4.8 %) LBL ELA @ 4 Pa or 0.37 cm²/m² Surface Area
Building Leakage Curve:	Air Flow Coefficient (Cenv) = 76.8 (+/- 7.3 %) Air Leakage Coefficient (CL) = 78.4 (+/- 7.3 %) Exponent (n) = 0.511 (+/- 0.018) Correlation Coefficient = 0.99486
Test Standard:	EN 13829 Test Mode: Depressurization
Type of Test Method:	B Regulation complied with: ADL1A 2021
Equipment:	Model 3 Minneapolis Blower Door, S/N 11527

Inside Temperature:	10 °C	Volume:	
Outside Temperature:	8 °C	Surface Area:	457 m²
Barometric Pressure:	101250 Pa	Floor Area:	
Wind Class:	0 Calm	Uncertainty of	
Building Wind Exposure:	Partly Exposed Building	Building Dimensions:	1 %
Type of Heating:	LPHW	Year of Construction:	2025
Type of Air Conditioning:			
Type of Ventilation:	System 1		



BUILDING LEAKAGE TEST Page 2

Date of Test: 19/12/2025

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Comments

All trickle vents closed
All fans isolated and sealed
All traps filled with water

Equipment Used (UKAS calibration certificates available on request):

Equipment Used	Serial Number	Expiry date of Calibration
Minneapolis Blower Door	11527	27th November 2026
Micro manometer DG700	2893.4.700	26th November 2026
Barometer, Druck 701	70544422	25th November 2026
ATP Thermal Anemometer	11091942	27th November 2026

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
-0.6	n/a				
-75.4	51.4	723	719	2.0	Ring B
-71.5	47.5	695	692	0.9	Ring B
-68.3	42.1	655	652	-2.6	Ring B
-60.1	37.6	619	616	-1.5	Ring B
-52.0	33.5	585	582	0.4	Ring B
-49.0	31.6	569	566	0.7	Ring B
-46.1	28.5	540	538	-1.2	Ring B
-39.7	25.2	509	506	0.7	Ring B
-34.7	151.9	465	463	-1.0	Ring C
-29.4	134.2	437	434	1.7	Ring C
-2.9	n/a				
Test 0 Baseline (Pa):	p01- = -0.6	p01+ = 0.0	p02- = -2.9	p02+ = 0.0	