

Section 2.1: Planning and Environmental Certificates

2.1.6 Air Permeability Test

Pre-Lodgement of Air Permeability Test



Test Undertaken By Tim Sullivan of STROMA Built Environment Ltd

Registered Company Details

STROMA Built Environment Ltd

Address: Unit 6
Silkwood Business Park
Fryers Way
Wakefield
WF5 9TJ
Telephone: 08456 212222
Email: Mick.Smith@Stroma.com

Registered Tester Details

Technician: Tim Sullivan
Registration No: 1230
Qualification: 1 2 3 PH EA
✓ ✓

For clarification on technician qualifications please visit:
<https://www.bcta.group/attma/members/>

Building Details

Building identifier: Ambient (SHELL AND CORE)
Site address: Panattoni Park - Aylesford - Unit 1 & 2, Bellingham Way, Ayelsford, Kent, ME20 7DL
Type: Non-Dwelling **Description:** Warehouse
Construction: Steel Frame **Warm roof:** Yes
Size: **Footprint (m²)** 10611.2 **Envelope (m²)** 25024.7 **Volume (m³)** 89939.9 **Storey** 1
Ventilation: None
Primary heating: None **Air conditioning:** None
Mastic sealing: External Walls Only (exc. sanitary ware)

Test Details

12/11/2024

Report reference: PRO-073257 AAC T1
Retest: No **Build progress:** Pre-Test
Data acquisition: Manual **Test type:** Whole Building
Temporary sealing: Temporary seals on external doors/frames? (Yes), Temporary seals on loading bay doors? (Yes)

Deviations from Test Standard

Deviations: Temporary sealed components / building preparations are not all in accordance with the recommendations of ATTMA TSL2:SHELL AND CORE TEST (Yes), 2 X SHUTTER DOORS NOT YET FITTED TEMP SEALED (Yes), 2 X PERSONNEL DOORS NOT YET FITTED, TEMP SEALED (Yes)

Notifications:

Test Results

Target:	<= 3.00	m³.h⁻¹.m⁻²@50Pa	Air Permeability:
Air Flow Coefficient (C_{env}):	2,508.193	m³.h⁻¹.Paⁿ	0.83 m ³ .h ⁻¹ .m ⁻² @50Pa
Air Leakage at 50 Pa (Q₅₀):	20882.71	m³.h⁻¹	
Air Flow Exponent (n):	0.54		
Coefficient of Determination (r²):	0.994		

This is to certify that the above name building has been tested by a registered provider in accordance with ATTMA TSL1, TSL2 or TSL3, subject to the above statements regarding temporary sealing and deviations from these test standards.

This certificate is a short form report. If a full compliant report is required please contact the company that issued the certificate. Enquiries about this certificate should be made to: Scheme Manager, ATTMA, Unit 3, Tannery Road, Loudwater, Buckinghamshire, HP13 7EQ or visit www.bcta.group/attma/ or email admin@bcta.group.

Pass



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Pre-Lodgement of Air Permeability Test



Test Undertaken By Tim Sullivan of STROMA Built Environment Ltd

Registered Company Details

STROMA Built Environment Ltd

Address: Unit 6
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Telephone: 08456 212222
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Registered Tester Details

Technician: Tim Sullivan
Registration No: 1230
Qualification: 1 2 3 PH EA
✓ ✓

For clarification on technician qualifications please visit:
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Building Details

Building identifier: Chiller (SHELL & CORE)
Site address: Panattoni Park - Aylesford - Unit 1 & 2, Bellingham Way, Ayelsford, Kent, ME20 7DL
Type: Non-Dwelling **Description:** Warehouse
Construction: Steel Frame **Warm roof:** Yes
Size: **Footprint (m²)** 33056.4 **Envelope (m²)** 73345.2 **Volume (m³)** 290143.2 **Storey** 2
Ventilation: None
Primary heating: None **Air conditioning:** None
Mastic sealing: External Walls Only (exc. sanitary ware)

Test Details

12/11/2024

Report reference: PRO-073257 CC T1
Retest: No **Build progress:** Pre-Test
Data acquisition: Manual **Test type:** Whole Building
Temporary sealing: Temporary seals on external doors/frames? (Yes), Temporary seals on loading bay doors? (Yes)

Deviations from Test Standard

Deviations: Temporary sealed components / building preparations are not all in accordance with the recommendations of ATTMA TSL2:SHELL AND CORE TEST (Yes), 6 X SHUTTER DOORS NOT YET FITTED TEMP SEALED (Yes), 6 X PERSONNEL DOORS NOT YET FITTED, TEMP SEALED (Yes)

Notifications:

Test Results

Target:	<= 1.00	m ³ .h ⁻¹ .m ² @50Pa	Air Permeability:
Air Flow Coefficient (C_{env}):	4,857.435	m ³ .h ⁻¹ .Pa ⁿ	0.55 m ³ .h ⁻¹ .m ² @50Pa
Air Leakage at 50 Pa (Q₅₀):	40124.37	m ³ .h ⁻¹	
Air Flow Exponent (n):	0.53		
Coefficient of Determination (r²):	0.981		

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Pass



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Pre-Lodgement of Air Permeability Test



Test Undertaken By Steven Chinery of STROMA Built Environment Ltd

Registered Company Details

STROMA Built Environment Ltd

Address: Unit 6
Silkwood Business Park
Fryers Way
Wakefield
WF5 9TJ
Telephone: 08456 212222
Email: Mick.Smith@Stroma.com

Registered Tester Details

Technician: Steven Chinery
Registration No: 0441
Qualification: 1 2 3 PH EA
✓ ✓ ✓

For clarification on technician qualifications please visit:
<https://www.bcta.group/attma/members/>

Building Details

Building identifier: Freezer Only excluding Chilled & Ambient (Shell Stage Test)
Site address: Panattoni Park - Aylesford - Unit 1 & 2, Bellingham Way, Ayelsford, Kent, ME20 7DL
Type: Non-Dwelling **Description:** Warehouse
Construction: Steel Frame **Warm roof:** Yes
Size: Footprint (m²) 9676.4 Envelope (m²) 25903.7 Volume (m³) 161707 Storey 2
Ventilation: None
Primary heating: None **Air conditioning:** None
Mastic sealing: None

Test Details

12/11/2024

Report reference: PRO-073257 FOECAS T1
Retest: No **Build progress:** Pre-Test
Data acquisition: Manual **Test type:** Zone Test
Temporary sealing: Temporary seals on loading bay doors? (Yes)

Deviations from Test Standard

Deviations: The ATTMA requirements for 'Zone/Sample' testing recommends at least 20% of the exterior building envelope area to be tested, and be representative of all the envelope construction methods, with the zone target leakage rate required to be improved upon by 10% upon the whole building target permeability. 17 external roller panel doors and 1x high internal roller door temporarily sealed (not part of base build handover). Tested as a shell prior to fitout - the Energy Assessor / Architect / Client should call for a final...
Notifications:

Test Results

Target:	<= 0.23	m³.h⁻¹.m²@50Pa	Air Permeability:
Air Flow Coefficient (C_{env}):	51.550	m³.h⁻¹.Paⁿ	0.07 m ³ .h ⁻¹ .m ² @50Pa
Air Leakage at 50 Pa (Q₅₀):	1856.6	m³.h⁻¹	
Air Flow Exponent (n):	0.92		
Coefficient of Determination (r²):	0.997		

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