

BUILDING LEAKAGE TEST

Date of Test: 13.04.2024 Test File: ТЕСТ ИСО 9972

Technician:

Project Number:

Customer: Виктор

Building Address: КП "Холмогорье"
Лесная ул.

Phone:

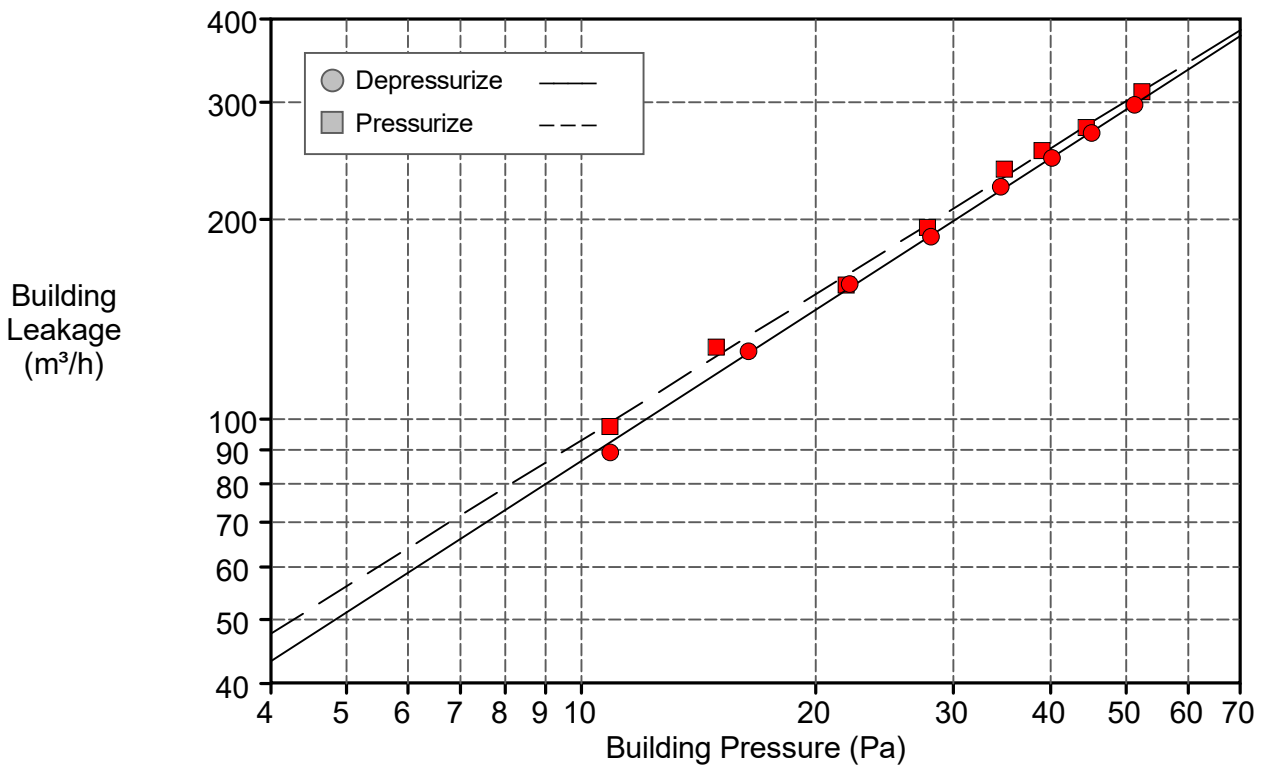
Fax:

Test Results at 50 Pascals:	<u>Depressurization</u>	<u>Pressurization</u>	<u>Average</u>
m ³ /h (Airflow)	293 (+/- 0.5 %)	302 (+/- 0.9 %)	297
ACH50	0.62	0.64	0.63

Leakage Areas:			
Canadian EqLA @ 10 Pa (cm ²)	96.7 (+/- 1.3 %)	103.8 (+/- 2.4 %)	100.2
LBL ELA @ 4 Pa (cm ²)	46.7 (+/- 2.2 %)	51.3 (+/- 4.0 %)	49.0

Building Leakage Curve:		
Flow Coefficient (C)	15.2 (+/- 3.6 %)	17.3 (+/- 6.4 %)
Exponent (n)	0.757 (+/- 0.010)	0.731 (+/- 0.018)
Correlation Coefficient	0.99949	0.99823

Test Standard: CGSB
Test Mode: Depressurization and Pressurization



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Building Information

Volume (m³)	473
Surface Area: (m²)	
Floor Area: (m²)	
Year of Construction	

Equipment Information

Type	Manufacturer	Model	Serial Number	Custom Calibration Date
Fan	Energy Conservatory	Model 3 (110V)		-
Micromanometer	Energy Conservatory	DG700		

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Depressurization Test 1:

Environmental Data

Indoor Temperature (°C)	Outdoor Temperature (°C)
22.0	7.0

Data Points - Data Entered Manually (TTE 5.0.8.4)

Nominal Building Pressure (Pa)	Baseline adjusted Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow (m³/h)	Adjusted Flow (m³/h)	% Error	Fan Configuration
0.3	n/a	n/a				
-51.3	-51.2	63.5	306	298	-0.2	Ring C
-45.2	-45.1	52.4	277	270	-0.4	Ring C
-40.2	-40.1	44.3	254	248	-0.2	Ring C
-34.6	-34.5	36.5	230	224	1.3	Ring C
-28.2	-28.1	26.0	193	188	-0.6	Ring C
-22.2	-22.1	190.5	164	160	1.3	Ring D
-16.5	-16.4	118.9	130	127	0.6	Ring D
-11.0	-10.9	58.5	92	89	-3.5	Ring D
-0.5	n/a	n/a				

Deviations from Standard CGSB - Test Parameters

None

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Pressurization Test 1:

Environmental Data

Indoor Temperature (°C)	Outdoor Temperature (°C)
22.0	7.0

Data Points - Data Entered Manually (TTE 5.0.8.4)

Nominal Building Pressure (Pa)	Baseline adjusted Building Pressure (Pa)	Fan Pressure (Pa)	Nominal Flow (m³/h)	Adjusted Flow (m³/h)	% Error	Fan Configuration
0.1	n/a	n/a				
52.5	52.4	62.3	303	311	-0.5	Ring C
44.5	44.4	49.0	268	275	-0.7	Ring C
39.1	39.0	42.0	247	254	0.9	Ring C
35.0	34.9	37.0	232	238	2.5	Ring C
27.9	27.8	25.0	189	194	-1.0	Ring C
22.0	21.9	170.0	155	159	-3.5	Ring D
15.0	14.9	110.0	125	128	3.1	Ring D
11.0	10.9	63.0	95	98	-1.6	Ring D
0.1	n/a	n/a				

Deviations from Standard CGSB - Test Parameters

None

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Comments

ПОКАЗАТЕЛЬ КРАТНОСТИ ВОЗДУХООБМЕНА СОГЛАСНО НОРМАТИВНЫМ ДОКУМЕНТАМ:

по российскому ГОСТ 31167-2011 n_{50} нормальная от 2 до 4

по немецкому DIN 4108-7 п.4 для зданий с системой вентиляции естественного

побуждения $n_{50} < 3$ (1/h)

по немецкому DIN 4108-7 п.4 для зданий с системой вентиляции механического

побуждения $n_{50} < 1,5$ (1/h)

ПО РЕЗУЛЬТАТАМ ИЗМЕРЕНИЙ КРАТНОСТЬ ВОЗДУХООБМЕНА СОСТАВИЛА:
 $n_{50}=0,63$ (1/h), что удовлетворяет всем вышеперечисленным действующим нормам.
