

Test Report Summary
4000 Phantom Vent, Casement
 AIR – WATER – STRUCTURAL – AUXILIARY TESTING



TEST RESULTS		
TEST DESCRIPTION	TEST METHOD	CW-PG70 NAFS-11
Test Unit Size:		36" X 60" [914 x 1524]
Air Infiltration	ASTM E283	0.2 cfm/ft ² @ 6.27 psf [0.04 L/s•m ² @ 300 Pa]
Air Exfiltration	ASTM E283	0.2 cfm/ft ² @ 6.27 psf [0.05 L/s•m ² @ 300 Pa]
Cyclic Water Penetration	ASTM E547	15 psf [720 Pa]
Structural Design Load	ASTM E330	+/- 70 psf [+/- 3.36 kPa]
Structural Overload	ASTM E330	+/- 105 psf [+/- 5.04 kPa]
Forced Entry Resistance	ASTM F588	Grade 40

TEST LAB	Element Mississauga, ON
REPORT NUMBER	23-06-B0121-2N
TEST DATE	11/2/2023
REPORT DATE	1/08/2024

Test results and test methods listed below are from the test reports in the above table. Contact a Tubelite/Alumicor representative for complete test information.

Tim Fookes - Vice President of Engineering Tubelite/Alumicor

Test Report Summary

4000 Phantom Vent, Casement

AIR – WATER – STRUCTURAL – AUXILIARY TESTING

TEST METHODS

AAMA/WDMA/CSA 101/I.S.2/A440-17

AAMA/WDMA/CSA 101/I.S.2/A440S1-19

Air Infiltration/Exfiltration: ASTM E283, *Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.*

Cyclic Static Water Penetration: ASTM E547, *Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, Curtain Walls by Cyclic Static Air Pressure Difference.*

Structural Design and Overload: ASTM E330, *Standard Test Method for Structural Performance of Exterior Windows, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.*

Forced Entry: ASTM F588, *Standard Test Methods for Measuring The Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact.*