Test Report Summary

1350PI UniVent Window, PI Casement

AIR – WATER – STRUCTURAL – AUXILIARY TESTING

TEST RESULTS			
TEST DESCRIPTION	**TEST METHOD**	**CW-PG60 NAFS-11, NAFS-22**	**CW-PG70 NAFS-08**
Test Unit Size:		34" X 80" [863 x 2032]	32" X 60" [820 x 1530]
Air Infiltration	ASTM E283	0.01 cfm/ft^2 @ 6.27 psf [0.0 L/s•m^2 @ 75 Pa]	0.05 cfm/ft^2 @ 1.57 psf [0.25 L/s•m^2 @ 75 Pa]
Air Exfiltration	ASTM E283	0.01 cfm/ft^2 @ 1.57 psf [0.0 L/s•m^2 @ 75 Pa]	0.05 cfm/ft^2 @ 1.57 psf [0.25 L/s•m^2 @ 75 Pa]
Cyclic Water Penetration	ASTM E547	15 psf [720 Pa]	15 psf [720 Pa]
Structural Design Load	ASTM E330	+/- 60 psf [+/- 2.88 kPa]	+/- 70 psf [+/- 3.36 kPa]
Structural Overload	ASTM E330	+/- 90 psf [+/- 4.32 kPa]	+/- 105 psf [+/- 5.04 kPa]
Forced Entry Resistance	ASTM F588	Grade 40	Grade 10

TEST LAB	**QCT** Mosinee, WI	**EXOVA** Mississauga, ON
REPORT NUMBER	QCT23-7037.02	12-006-M0263-1S
TEST DATE	8/10/2023	4/2/2015
REPORT DATE	11/2/2023	4/2/2015

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.

10/27/2023

Tim Fookes - Vice President of Engineering Tubelite/Alumicor

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.*