

TEST REPORT FOR VPI QUALITY WINDOWS

Report No.: M6320.01-901-44

REPORT ISSUED TO

VPI QUALITY WINDOWS

3420 E. Ferry Ave
Spokane, WA 99202

SECTION 1



SCOPE

Architectural Testing, Inc. (an Intertek company) dba Intertek Building & Construction (B&C) was contracted by VPI Quality Windows to perform testing in accordance with AAMA/WDMA/CSA 101/I.S.2/A440 on their ID 321 Endurance Casement/Awning Composite-FIRA. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at the Intertek B&C test facility in Kent, Washington.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory. Intertek B&C will service this report for the entire test record retention period. The test record retention period ends ten years after the test date. Test records, such as detailed drawings, datasheets, or other pertinent project documentation, will be retained for the entire test record retention period. Representative samples of test specimens will be retained for two years from the test date.

Unless differently required, Intertek reports apply the "Simple Acceptance" rule, also called "Shared Risk approach," of ILAC-G8:09/2019, Guidelines on Decision Rules and Statements of Conformity.

For INTERTEK B&C:

COMPLETED BY:	Jacob McDaniel	REVIEWED BY:	Arbind Raj
TITLE:	Technician	TITLE:	Lab Supervisor
SIGNATURE:	 Digitally Signed by: Jacob McDaniel	SIGNATURE:	 Digitally Signed by: Arbind Raj
DATE:	09/10/21	DATE:	09/10/21

JM/AR:pac

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SECTION 2

SUMMARY OF TEST RESULTS

TITLE	CW RESULTS	LC RESULTS
AAMA/WDMA/CSA 101/I.S.2/A440-17	Class CW PG 30 Size tested 60" x 108" (1524 x 2743 mm)-type C*	Class LC PG 40 Size tested 60" x 108" (1524 x 2743 mm)-type C*
Design Pressure	±1440 Pa (±30.08 psf)	±1920 Pa (±40.10 psf)
Air Infiltration	0.1 L/s/m ² (<0.01 cfm/ft ²)	0.1 L/s/m ² (<0.01 cfm/ft ²)
Air Exfiltration	0.1 L/s/m ² (<0.01 cfm/ft ²)	0.1 L/s/m ² (<0.01 cfm/ft ²)
Canadian Air Infiltration/Exfiltration Level	A3	A3
Water Penetration Resistance Test Pressure	220 Pa (4.60 psf)	290 Pa (6.06 psf)

Reference must be made to Intertek B&C Report No. M6320.01-901-44, dated 09/10/21 for complete test specimen description and detailed test results. *Reference Intertek B&C Report No. M0554.01-901-44, dated 04/28/21 for complete Gateway test specimen description and test results.

SECTION 3

TEST SPECIFICATION(S)/METHOD(S)

The specimens were evaluated in accordance with the following:

AAMA/WDMA/CSA 101/I.S.2/A440-17- North American Fenestration Standard/Specification for Windows, Doors, and Skylights

The following test methods were used during testing:

ASTM E283-19 Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen

ASTM E330/E330M-14, Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference

ASTM E331-00(2016), Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference

ASTM E547-00(2016), Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference

ASTM E2068-00(2016), Standard Test Method for Determination of Operating Force of Sliding Windows and Doors1

ASTM F588-17, Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact