

AAMA/WDMA/CSA 101/I.S.2/A440-11 & A440-17 & A440S1-19 (Class AW-PG80)			
TEST DESCRIPTION	TEST METHOD	TEST RESULTS	
Air Infiltration	ASTM E283	0.1 L/s•m² @ 300 Pa	0.02cfm/ft ² @ 6.27 psf
Air Exfiltration	ASTM E283	0.2 L/s•m² @ 300 Pa	0.04 cfm/ft ² @ 6.27 psf
Cyclic Water Penetration	ASTM E547	720 Pa	15 psf
Static Water Penetration	ASTM E331	720 Pa	15 psf
Life Cycle Testing	AAMA 910-10	PASS (4000 cycles)	
Thermal Cycling	AAMA 501.5	-18 °C to 82 °C	0 °F to 180 °F
Structural Design Load	ASTM E330	+/- 3.84 kPa	+/- 80 psf
Structural Overload	ASTM E330	+/- 5.76 kPa	+/- 120 psf
Forced Entry Resistance	ASTM F588	Grade 40	
Insect Screen Serviceability	ASTM E1748	PASS	

TEST LAB

Element Mississauga, ON L5K-1B3

REPORT NUMBER 21-06-B0106-1N RV1	
TEST DATE	1/7/2022
REPORT DATE	2/7/2022

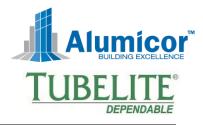
Test results and test methods listed below are from the test reports in the above table. Contact a Tubelite/Alumicor representative for complete test information.

4/15/2022

Tim Fookes - Vice President of Engineering Tubelite/Alumicor

Test Report Summary 1375AW UniVent Window, PO Awning DG

AIR - WATER - STRUCTURAL - AUXILIARY TESTING



TEST METHODS AAMA/WDMA/CSA 101/I.S.2/A440-11 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.

Static Water Penetration: ASTM E331, Standard Test Method for Water Penetration of Exterior Windows, *Skylights, Doors, Curtain Walls by Uniform Static Air Pressure Difference.*

Life Cycle: AAMA 910, Voluntary "Life Cycle" Specifications and Test Methods for AW Class Architectural Windows and Doors.

Thermal Cycling: AAMA 501.5, Standard Test Method for Thermal Cycling of Exterior Walls.

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.

Insect Screen Serviceability: ASTM E1748, Standard Test Method for Evaluating the Engagement Between Windows and Insect Screens as an Integral System.