

# ALUTECH SYSTEMS S.R.O. TEST REPORT

**SCOPE OF WORK**

AAMA/WDMA/CSA 101/I.S.2/A440 TESTING ON TERRACE DOORS W72TD (INSWING & OUTSWING)

**REPORT NUMBER**

R2473.01-525-44 R2

**TEST DATE(S)**

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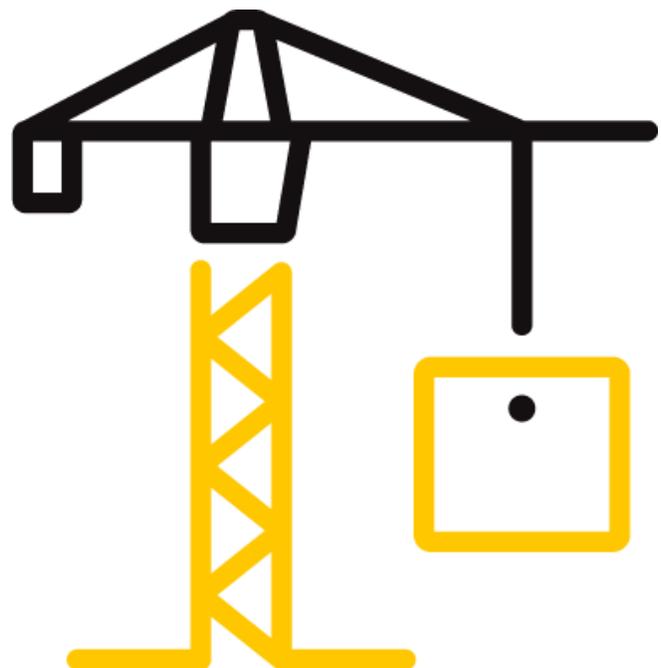
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## TEST REPORT FOR ALUTECH SYSTEMS S.R.O.

Report No.: R2473.01-525-44 R2

Date: 10/02/24

Revision Date: 01/27/25

### SECTION 2

#### SUMMARY OF TEST RESULTS

TITLE	TEST SPECIMEN #1 (INSWING)	TEST SPECIMEN #2 (OUTSWING)
Primary Product Designator	AW – PG50	AW – PG50
Design Pressure	±2400 Pa (±50.13 psf)	±2400 Pa (±50.13 psf)
Negative Design Pressure	-2400 Pa (-50.13 psf)	-2400 Pa (-50.13 psf)
Air Infiltration	0.08 L/s/m <sup>2</sup> (0.18 cfm/ft <sup>2</sup> )	0.01 L/s/m <sup>2</sup> (0.01 cfm/ft <sup>2</sup> )
Air Exfiltration	0.01 L/s/m <sup>2</sup> (0.03 cfm/ft <sup>2</sup> )	0.01 L/s/m <sup>2</sup> (0.01 cfm/ft <sup>2</sup> )
Water Penetration Resistance Test Pressure	480 Pa (10.03 psf)	480 Pa (10.03 psf)

### SECTION 3

#### TEST METHOD(S)

The specimens were evaluated in accordance with the following:

**AAMA/WDMA/CSA 101/I.S.2/A440:22**, *North American Fenestration Standard/Specification for Windows, Doors, and Skylights*

**AAMA 910-16**, *Voluntary "Life Cycle" Specifications and Test Methods for AW Class Architectural Windows and Doors*

**ASTM E283-04(2012)**, *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 E987-88(2009)**, *Standard Test Methods for Deglazing Force of Fenestration Products*

**ASTM F588-14**, *Standard Test Methods for Measuring the Forced Entry Resistance of Window Assemblies, Excluding Glazing Impact*