

PRODUCT **TerraPorte 7600 Terrace Door**
 Single Outswing Terrace Door (Polyamide thermal break)

TEST RESULTS

AAMA/WDMA/CSA 101/I.S.2/A440-08		Class AW-PG70-ATW
Air Infiltration	<i>ASTM E283</i>	0.10 cfm/ft² @ 6.24 psf
Canadian Air Infiltration/Exfiltration Level	<i>ASTM 283</i>	A3
Static Pressure Water Resistance	<i>ASTM E331</i>	15 psf
Cyclic Static Pressure Water Resistance	<i>ASTM E547</i>	15 psf
Structural – Design Load	<i>AAMA E330</i>	70 psf
Structural – Overload	<i>AAMA E330</i>	105 psf
Unit Size: 48" x 96"		

TEST LAB

INTERTEK
 Mississauga, Ontario L5T 2L3

Report Number	3175425TOR-001R2
Test Date	06/02/09
Report Date	04/10/17

Reference Intertek report #3175425TOR-001, dated June 22, 2009, for complete test specimen description and data.

Tubelite Representative:



 Tim Fookes - Director of Engineering

(sign) 4/13/2017 (date)

(title)

TEST METHODS

Air Leakage Resistance: *ASTM E283-04, Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.* Testing was conducted at 6.24 psf positive and negative static air pressure difference.

Static Pressure Water Resistance: *ASTM E331-00, Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, Curtain Walls by Uniform Static Air Pressure Difference.* Testing was conducted at 15 psf positive static air pressure difference for 15 minute duration. Water applied at a minimum rate of 5 gal/ft²/hr.

Cyclic Pressure Water Resistance: *ASTM E547-00, Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference.* The test was performed at 15 psf positive pressure differential and a water spray rate of at least 5.0 US gal/ft² per hour. Each cycle consisted of five minutes with the pressure applied and one minute with the pressure released, during which the water spray was continuously applied.

Operation/Cycling Performance: *AAMA 920-03, Specification for Operating Cycle Performance of Side-Hinged Exterior Door System.* Testing was conducted for the AW (architectural terrace doors) class with a total number of cycles of 25,000, as governed by AAMA/WDMA/CSA 101/1.S.2/A440-08.

Vertical Loading Resistance: *AAMA 925-03, Specification for Determining the Vertical Loading Resistance of Side-Hinged Door Leaves.* The test was performed with a total applied load of 500 lbs. The force to latch was also measured in accordance with Clause 9.5 of ANSI/BHMA A156.2 and compared to the allowable criteria as per Clause 7.1 of AAMA 925-03.

Structural Performance: *ASTM E330-02, Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls and Doors by Uniform Static Air Pressure Difference.* Testing was conducted at +/- 70 psf design loads and +/- 105 psf overloads. Allowable Criteria: Design - L/175 deflection normal to wall plane for clear spans up to 13'-6". Overload – net permanent set shall not exceed 0.2% of the clear span.

Forced Entry Resistance: *AAMA 1304-02, Voluntary Specification for Forced Entry Resistance of Side-Hinged Door Systems.* Testing was conducted with a point load of 300 lbs being applied as per the standard in three locations in a direction that would tend to open the leaf. Each load was applied for a duration of 30 seconds.