

PRODUCT **Standard Entrance Series**
 Narrow, Medium, and Wide Stile

TEST RESULTS

		Narrow – Double	Medium - Single
Air Infiltration	<i>ASTM E283</i>	0.28 (actual) 1.0 (allowed) cfm/ft² @ 1.57 psf	0.30 (actual) 1.0 (allowed) cfm/ft² @ 1.57 psf
Static Water Resistance	<i>ASTM E331</i>	-	limited water (see page 2 for description)
Structural – Design Load	<i>ASTM E330</i>	+/- 30 psf	+/- 50 psf
Structural – Overload	<i>ASTM E330</i>	+/- 45 psf	+/- 75 psf
Forced Entry Resistance	<i>AAMA 1304-02</i>	300 lb	-
Operating Force	<i>ASTM E2068</i>	-	9.0 lbf (force to latch)
	Specimen Size:	75-1/2" x 85-3/4"	40-1/2" x 86-1/4"
	Leaf Size:	35-13/16" x 83-7/16"	35-13/16" x 83-5/16"

TEST LAB

INTERTEK – ATI
 York, PA 17406

	Narrow – Double	Medium - Single
Report Number	C2948.01-450-44	B875.01-109-44
Test Date	10/23/12	4/18/12
Report Date	10/26/12	5/11/12

Reference above ATI reports for complete test specimen description and data.

Tubelite Representative:  (sign) 1/8/2018 (date)
Tim Fookes - Vice President of Engineering (title)

TEST METHODS

Air Infiltration: 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 1.57 psf positive 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 0 psf positive static air pressure difference for 15 minute duration. Water applied at a minimum rate of 5 gal/ft²/hr.

Structural Performance: ASTM E330-02, *Standard Test Method for Structural Performance of Exterior Windows, Skylights and Curtain Walls by Uniform Static Air Pressure Difference*. Testing for the narrow- double configuration was conducted at +/- 30 psf design loads and +/- 45 psf overloads. Testing for the medium - single configuration was conducted at +/- 50 psf design loads and +/- 75 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 for the narrow-double configuration was conducted at 300 lbs.

Operating Force: ASTM E2068, *Standard Test Method for Determination of Operating Force of Sliding Windows and Doors*. Testing for the medium-single at configuration was conducted at 9.0 lbf force to latch.

Reference ATI reports #C2948.01-450-44 dated 10/26/2012 and B875.01-109-44 dated 5/11/2012 for complete test specimen description and data. Contact a Tubelite representative for more information.