

PRODUCT **4500 Series Storefront**
 1-3/4" x 4-1/2" (non-thermal)

TEST RESULTS

Air Infiltration	ASTM E283	0.06 cfm/ft² @ 6.24 psf
Static Pressure Water Resistance	ASTM E331	12 psf
Dynamic Pressure Water Resistance	AAMA 501.1	12 psf
Structural – Design Load	ASTM E330	30 psf
Structural – Overload	ASTM E330	45 psf

TEST LAB

**Architectural Testing
 (ATI)**

Riviera Beach, FL 33404

Report Number	C1529.01-450-44
Test Date	9/21/12
Report Date	10/26/12

Reference ATI report in above table for complete test specimen description and data.

Tubelite Representative:



(sign) 2/18/2018 (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 6.24 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 12 psf positive static air pressure difference for 15 minute duration. Water applied at a minimum rate of 5 gal/ft²/hr.

Dynamic Pressure Water Resistance: AAMA 501.1-05, *Standard Test Method for Water Penetration of Windows, Curtain Walls, and Doors Using Dynamic Pressure*. Testing was conducted with a dynamic pressure equivalent of 12 psf for a 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 was conducted at +/- 30 psf design loads and +/- 45 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.