Test Report Summary

E34000 ForceFront Blast Storefront

AIR – WATER – STRUCTURAL

PRODUCT **E34000 ForceFront Blast Storefront**

2-1/2" x 5" Non-Thermal

TEST RESULTS

Air Infiltration	*ASTM E283, TAS 202*	**0.06 cfm/ft^2 @ 6.24 psf**
Static Pressure Water Resistance	*ASTM E331, TAS 202*	**15 psf**
Dynamic Pressure Water Resistance	*ASTM E331*	**15 psf**
Structural – Design Load	*ASTM E330, TAS 202*	up to **+/- 70 psf**
Structural – Overload	*ASTM E330, TAS 202*	up to **+/- 105 psf**

TEST LAB

INTERTEK – ATI

West Palm Beach, FL 33407

Report Number	D4116.01-450-18	D4091.01-450-18
Test Date	5/30/14	5/22/14
Report Date	8/8/14	8/4/14

Reference above reports and state approvals for complete test specimen description, data, and limits of use.

Tubelite Representative: _____ (sign) 9/28/2019 (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 15 psf positive static air pressure difference for 15 minute duration. Water applied at a minimum rate of 5 gal/ft^2/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 15 psf for a 15 minute duration. Water applied at a minimum rate of 5 gal/ft^2/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 up to +/- 70 psf design loads and up to +/- 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.