



Engineering Technical Bulletin

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Air Leakage and Water Penetration Test Data

PRODUCT

MBCI AVP Panel 26 Ga. with stitch screws at 24" o/c and continuous ½" x 3/32" Tape Sealer at panel side-lap.

TEST PROCEDURES

1. ASTM E 283-04 (2012): Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors
2. ASTM E 331-00 (2009): Standard Test Method for Water Penetration Through Exterior Windows, Curtain Walls, and Doors

TEST RESULTS

Air Leakage was conducted with a maximum uniform static air pressure differential of 12.00 PSF. Water Penetration was conducted with a maximum uniform static air pressure differential of 20.00 PSF.

Air Leakage Test Results: See summary below.

Water Penetration Test Results: No uncontrollable water leakage at 20.00 PSF when five gallons per hour of water were sprayed per square foot of roof area.

The following is the test summary report.

SUMMARY

Profile	ASTM E 283-04 Air Leakage		ASTM E 331-00 Water Penetration	
	Pressure Differential	Leakage Rate	Pressure Differential	Infiltration Rate
AVP Panel 26 ga.	6.24 PSF 12.00 PSF	0.003 CFM/sq. ft. 0.043 CFM/sq. ft	20.00 PSF	None

Copies of the independent laboratory test reports are available upon request.

Test Report 07-0239T-14 Dated 10/30/2015, Force Engineering and Testing, Inc..