



Engineering Technical Bulletin

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Air Leakage and Water Penetration Test Data

PRODUCT

MBCI 7.2-Panel 26 Ga. with stitch screws at 20" o/c and continuous 1/2" x 3/32" Tape Sealer at panel side lap.

TEST PROCEDURES

1. ASTM E 283-84: Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors
2. ASTM E 331-83: 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 20.00 PSF.

Water Penetration was conducted with a maximum uniform static air pressure differential of 13.24 PSF.

Air Leakage Test Results: See summary below.

Water Penetration Test Results: No uncontrollable water leakage at 13.24 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 283-84 Air Leakage		ASTM E 331-83 Water Penetration	
	Pressure Differential	Leakage Rate	Pressure Differential	Infiltration Rate
7.2-Panel 26 Ga.	6.24 PSF 10.00 PSF 15.00 PSF 20.00 PSF	.000 CFM/ sq. ft. .170 CFM/sq. ft. .239 CFM/sq. ft. .356 CFM/sq. ft.	13.24 PSF	None

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

Test Report #T1308 Dated 2/14/991, Southwestern Laboratories, Inc.