



Engineering Technical Bulletin

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Air and Water Test Data

PRODUCT

MBCI Craftsman™ Series profiles with mastic in batten

TEST PROCEDURES

1. ASTM E 283-84: Standard Test Method for Air Infiltration
2. ASTM E 331-83: Standard Test Method for Water Penetration

TEST RESULTS

Both tests were conducted with a uniform static air pressure differential of 4 PSF.

Air Infiltration Test Results: .048 CFM per linear foot of side joint at 4 PSF.

Water Penetration Test Results: No uncontrollable water leakage at 4 PSF when five gallons per hour of water were sprayed per square foot of roof area.

The following is the test results expanded to the different profiles and width to which it applies.

SUMMARY

Profile	ASTM E-283 Air Infiltration		ASTM E-331 Water Penetration	
	Pressure Differential	Leakage Rate	Pressure Differential	Leakage Rate
24 Gauge - SB12	4 PSF	.048 CFM/ sq. ft.	4 PSF	None
24 Gauge - SB16.5	4 PSF	.035 CFM/ sq. ft.	4 PSF	None
24 Gauge - SB22.5	4 PSF	.026 CFM/sq. ft.	4 PSF	None
24 Gauge - HB12	4 PSF	.048 CFM/sq. ft.	4 PSF	None
24 Gauge - HB16.5	4 PSF	.035 CFM/sq. ft.	4 PSF	None
24 Gauge - HB22.5	4 PSF	.026 CFM/sq. ft.	4 PSF	None

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

Test Report #04-C-10-87 & #05-C-10-87