



Engineering Technical Bulletin

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EM Craftsman™ Series Air and Water Test Data

PRODUCT

EM Craftsman™ Series profiles with mastic in battens.

TEST PROCEDURES

ASTM E 283-84: Standard Test Method for Air Infiltration

ASTM E 331-83: Standard Test Method for Water Penetration

TEST RESULTS

Both test 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	Infiltration Rate
24 gauge-SB 12	4 <i>psf</i>	0.048 <i>cfm</i> / <i>sq.ft.</i>	4 <i>psf</i>	None
24 gauge-SB 16.5	4 <i>psf</i>	0.035 <i>cfm</i> / <i>sq.ft.</i>	4 <i>psf</i>	None
24 gauge-SB 22.5	4 <i>psf</i>	0.026 <i>cfm</i> / <i>sq.ft.</i>	4 <i>psf</i>	None
24 gauge-HB 12	4 <i>psf</i>	0.048 <i>cfm</i> / <i>sq.ft.</i>	4 <i>psf</i>	None
24 gauge-HB 16.5	4 <i>psf</i>	0.035 <i>cfm</i> / <i>sq.ft.</i>	4 <i>psf</i>	None
24 gauge-HB 22.5	4 <i>psf</i>	0.026 <i>cfm</i> / <i>sq.ft.</i>	4 <i>psf</i>	None

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

