



# Engineering Technical Bulletin

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## EM Lokseam® Air Leakage and Water Penetration Test Data

### PRODUCT

EM Lokseam® 24 Ga

### TEST PROCEDURES

ASTM E 283-84: Standard Test Method for Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors

ASTM E 331-83: Standard Test Method for Water Penetration Through Exterior Windows, Curtain Walls, and Doors

### TEST RESULTS

Both tests were conducted with a uniform static air pressure differential of 1.57 and 6.24 PSF.

Water Penetration Test Results: No uncontrollable water leakage at 6.24 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
24 Gauge – 12" Wide	1.57 PSF	0.0134 CFM/ sq. ft.	1.57 PSF	None
24 Gauge – 16" Wide	1.57 PSF	0.0100 CFM/sq. ft	1.57 PSF	None
24 Gauge – 18" Wide	1.57 PSF	0.0089 CFM/sq. ft.	1.57 PSF	None
24 Gauge – 12" Wide	6.24 PSF	0.0215 CFM/sq. ft.	6.24 PSF	None
24 Gauge – 16" Wide	6.24 PSF	0.0161 CFM/sq. ft.	6.24 PSF	None
24 Gauge – 18" Wide	6.24 PSF	0.0143 CFM/sq. ft.	6.24 PSF	None

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

Approval Report Farabaugh Engineering and Testing

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