



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.

