



Engineering Technical Bulletin

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EM FW-120

Air Leakage and Water Penetration Test Data

PRODUCT

EM FW-120 Panel

TEST PROCEDURES

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

ASTM E 331-86: 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 listed below.

Water Penetration Test Results: No uncontrollable water leakage at 8.99 and 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
EM FW-120 Panel	4.00 PSF	0.000 CFM/ sq. ft.	8.99 PSF	None
	6.24 PSF	0.000 CFM/sq. ft.	13.24 PSF	None
	10.00 PSF	0.013 CFM/sq. ft.		
	15.00 PSF	0.000 CFM/sq. ft.		
	20.00 PSF	0.113 CFM/sq. ft.		

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

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