



# 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		
	10.00 PSF	0.013 CFM/sq. ft	13.24 PSF	None
	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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