



TECHNICAL BULLETIN

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Air and Water Infiltration MarqueeLok

On January 19, 2006, McElroy Metal, Inc. tested its MarqueeLok Wall Panel for air leakage and water penetration.

TEST METHODS:

Air Leakage: ASTM E283-91, “Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen”

Water Penetration: ASTM E331-86 (Modified), “Standard Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference”

TEST SPECIMEN:

McElroy Metal, Inc. 24 Ga. 12 in. wide MarqueeLok Wall Panel. Panels were attached intermediate supports using #10-16 x 1” pancake head fasteners at 5’-0” spacing. A 3/16” bead of field applied Sikalastomer 511 butyl sealant was applied in the sidejoint prior to panel engagement.

TEST RESULTS:

Specimen	Air Infiltration			Water Penetration			
	Static Pressure Differential (psf)	Air Infiltration rate (cfm/lf)	Air Infiltration rate (cfm/sf)	Static Pressure Differential (psf)	Rate (gal./hr/sf)	Test Duration (min)	Water Infiltration
MarqueeLok 12 in. 24 Ga.	1.57	0.017	0.017	12.00	5	15	None
MarqueeLok 12 in. 24 Ga.	6.24	0.040	0.040				

Test Report No. : T102-06

Dated : January 19, 2006

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