



NOW
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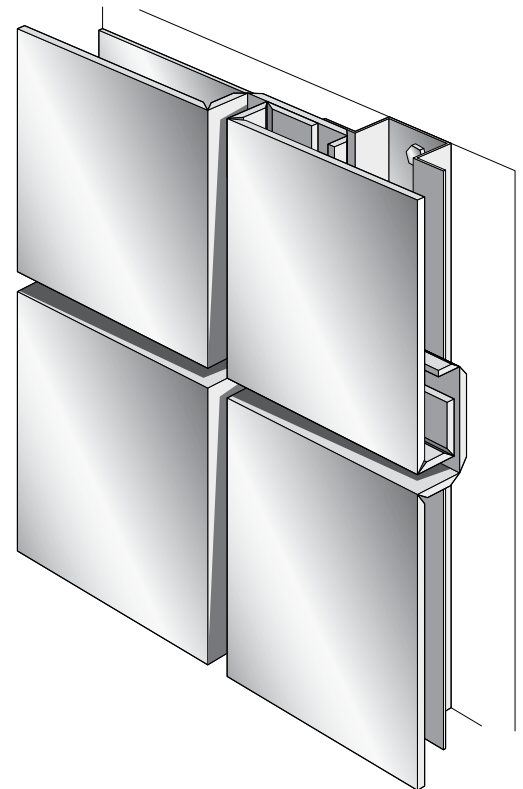
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NOW-8100 System

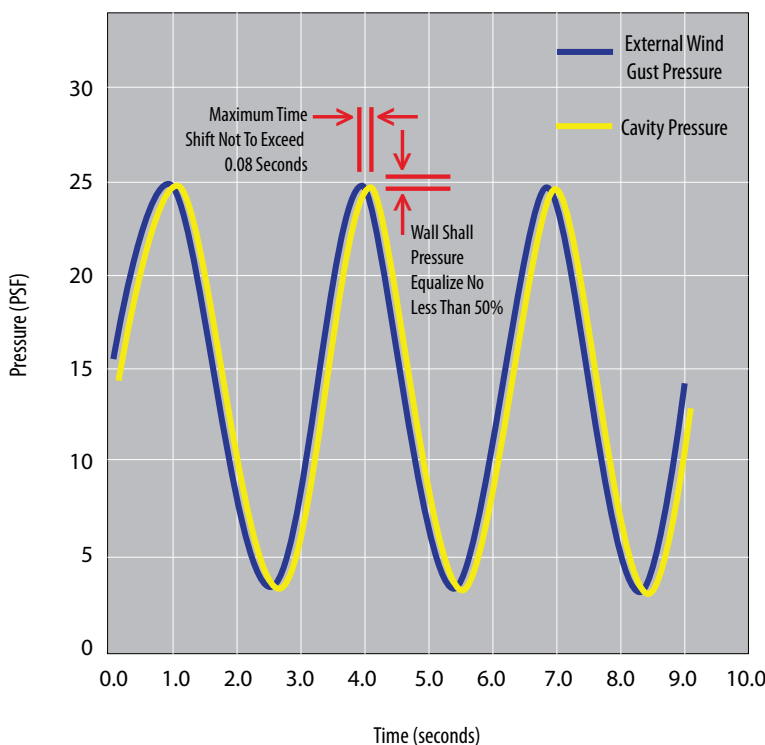
Description

The NOW-8100 is a route-and-return vertical wall cladding system, which capitalizes on the superior finishes and flatness of metal composite material (MCM). Tested to AAMA 508, it is our pressure-equalized rainscreen (PERS), featuring an innovative one-component assembly that fabricates MCM into a grid of concealed integral diverters, shedding water to the base of the system. The NOW-8100 may be left open at top and bottom for enhanced ventilation.

The NOW-8100 features no exposed trim, fasteners, or extrusions. Joint splines are unnecessary as the face material and recessed reveals are fabricated from the same stock. Natural materials such as copper, stainless steel and titanium are available. Return legs are fully exposed, for a crisp and attractive reveal. The NOW-8100 series is the newest addition to our line of rainscreen systems. With a geographically suitable air and thermal barrier, this represents NOW at the height of our engineering capabilities.



AAMA 508



AAMA 508

In 2005, American Architectural Manufacturers Association defined the Pressure-Equalized Rainscreen method with AAMA 508-05: Voluntary Test Method and Specification for Pressure Equalized Rain Screen Wall Cladding Systems. AAMA 508 is a prescriptive series of tests which establishes specific performance requirements for air infiltration, water infiltration, deflection resistance and pressure equalization between drainage plane and outside air. (See the chart at left for an indication of the stringency of the pressure equalization requirements.) The NOW-8100 complies with all four requirements of this demanding test standard.

Material Properties on back

System Properties

System Depth	2 1/8"	Testing	Result
Joint Width	1/2" (Nominal)	Air Infiltration @ 6.24psf	<0.01 cfm/ft ²
System Weight	1.24 lbs/SF	Water Resistance Test Pressure	15.00 psf
Fastener Type	#12 Dril-flex Phillip flat head (structural)	Uniform Load Deflection	± 40 psf
Fastener Type	#8 shoulder type screws (stitch)	Uniform Load Structural	± 40 psf

Sheet Properties

Property	Value
Thickness	4mm (0.157 inches)
Weight	1.12 lb/SF
Tensile Yield Strength (PSI)	6429
Tensile Strength (PSI)	6913
Elongation (%)	13.5
Specific Gravity	1.38
Flexural Elasticity (PSI)	5770 x 10 ³
Flexural Stiffness (PSI)	1.99 x 10 ⁹
Punching Shear Resistance (Maximum Load)	1920 lbs
Punching Shear Resistance (PSI)	4025
Deflection Temperature (°F)	231.8
Sound Transmission Coefficient	STC #26
Fire Hazard Classifications	
Flame Spread/Smoke Developed	0/0 per ASTM E84
Flash Temperature	716°F per ASTM D1929
Ignition Temperature	752°F per ASTM D1929
Rate of Burning	Classified as CC1 per ASTM D635
Evaluation Reports	City of Los Angeles
	ICC ES
	Miami Dade Notice of Acceptance
	Florida Building Code approval
	UL approval

(Values Assume 4mm Alpolic with a Polyethylene Core)



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