

**NOW**  
Specialties, Inc.

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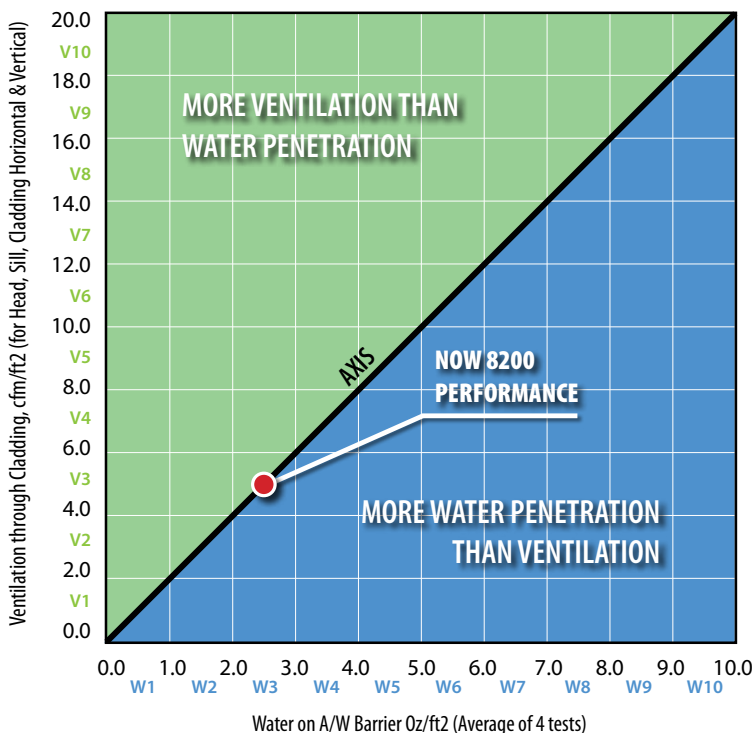
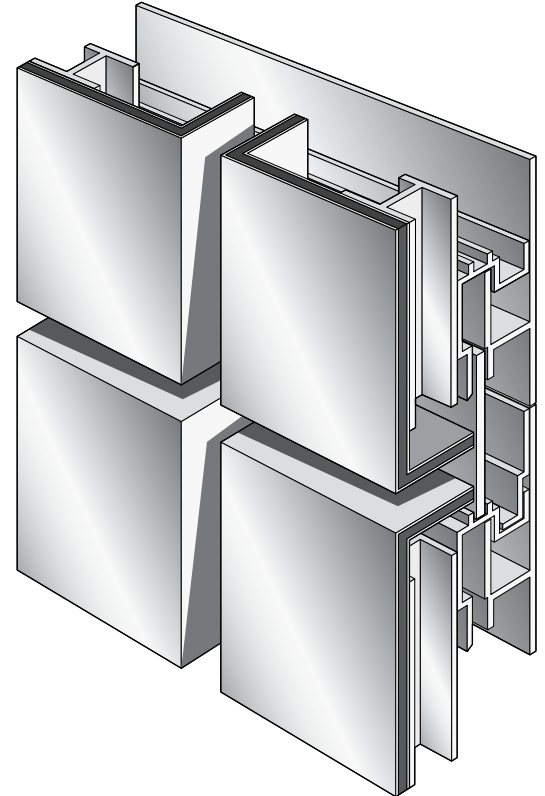
**HOUSTON OFFICE**  
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# NOW-8200 System

## Description

The NOW-8200 is a route-and-return vertical wall cladding system, which capitalizes on the superior finishes and flatness of metal composite material (MCM). It is our high-performance Drained/Back-Ventilated (D/BV) rainscreen, featuring rear-mounted extrusion profiles that form a grid of concealed gutters and downspouts, shedding water to the base of the system. The NOW-8200 may be left open at top and bottom for enhanced ventilation.

Panels can be replaced without any damage to or displacement of surrounding materials, yet joint splines conceal attachment clips, making this a suitable system for interior as well as exterior use. Joint splines are normally fabricated from the same material as the adjacent panel face, yet designers might opt for color contrast. Natural materials such as copper, stainless steel and titanium are available. Return legs are fully exposed, for a crisp and attractive reveal. With a geographically-suitable air and thermal barrier, the NOW-8200 is our best performing, most design flexible, and most aesthetically pleasing MCM system yet.



## AAMA 509

In 2009, American Architectural Manufacturers Association defined the Drained/Back-Ventilated method with AAMA 509: *Voluntary Test and Classification Method for Drained and Back Ventilated Rain Screen Wall Cladding Systems*. As suggested by the title, AAMA 509 is not a pass/fail standard. It designates a two-axis classification, plotting water infiltration along the X-axis and ventilation along the Y-axis. The drying effect of increased cavity ventilation is a defining characteristic of the D/BV, therefore specifiers will prefer systems that score on or above the diagonal axis. Note the placement of our NOW 8200 system on the chart to the left.

*Material Properties on back*

## System Properties

System Depth	2"	<b>Testing</b>	<b>Result</b>
Joint Width	½" (Nominal)	Air Infiltration @ 6.24psf	<0.01 cfm/ft <sup>2</sup>
System Weight	2.25 lbs/ft <sup>2</sup>	Water Resistance Test Pressure	15.00 psf
Aluminum Extrusion Alloy	6063 T6	Uniform Load Deflection	± 40 psf
Minimum Structural Substrate	16 ga Steel Studs	Uniform Load Structural	± 40 psf
Fastener	#12-24 Dril-Flex		

## 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 <sup>3</sup>
Flexural Stiffness (PSI)	1.99 x 10 <sup>9</sup>
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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