



NOW
Specialties, Inc.

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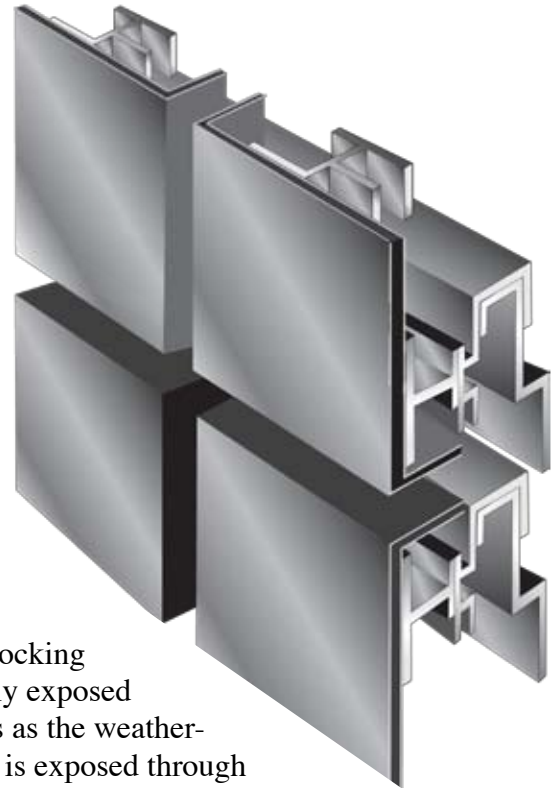
NOW-4100 System

Features and Benefits

NOW-4100 Panel System is a drained/back-ventilated rainscreen wall system that, when installed on a properly-designed exterior wall, provides unrivaled structural integrity and weather-proofing. NOW-4100 is an excellent choice for the outer leaf of your wall assembly, deflecting the majority of bulk water, while protecting the inner leaf from condensation and thermal stress. When matched with a UV-stable air barrier/vapor retarder suitable to project geography, NOW-4100 meets even the most demanding applications. Capitalizing on the impressive performance characteristics of ACM (Aluminum Composite Material), the NOW-4100 System delivers a sleek, flat look that manages thermal expansion and contraction, and virtually eliminates oil-canning.

Description

NOW-4100 is a route and return system that features proprietary, interlocking extrusions at pre-determined locations. The material return legs are fully exposed for a clean, open joint. Panel joints do not require field-applied sealants as the weather-proofing is a component of the inner barrier. Note that the inner barrier is exposed through the open joint. Integral stiffeners strengthen the field of the panel. Greater wind loads or more stringent deflection requirements may require additional stiffeners, or stiffeners of a different type. See our design data for a more detailed discussion of panel stiffeners.



Advantages

No sealants or interior gaskets to fail, requiring costly repairs or unsightly stains. Reduced water infiltration, and reduced trapping of water in the building. Improved structural support protection, and greatly reduced opportunities for mold growth.

About the MCA Premium Fabricator Certification

The Metal Construction Association (MCA) is a nationwide trade organization through which members of the construction industry can develop programs that promote the integration of metal in design, and to ensure its proper use. The MCA's mission is "expanding the use of metal in construction through marketing, technology, and education."

The Premium MCM Certification is an important part of this mission, offering to the design community a single, reputable source for MCM fabricator selection. Fabricators certified as "Premium MCM" by the Metal Construction Association must demonstrate longstanding experience, exceptional quality, and a broad base of services. As of this publication date, only four other US-based fabricators qualify for this mark. NOW is proud to be a member of this select group.

Material Properties on back

System Properties

System Depth	2 ¼"	Testing	Result
Joint Width	½" (Nominal)	Air Infiltration @ 6.24psf	<0.01 cfm/ft ²
System Weight	1.62 lbs/ft ²	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 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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