

ENVOLUTION™ VANTAJ™ ACM PANEL

The Vantaj™ ACM route and return dry joint, rain screen system by Doralco Architectural Metals is a high performance exterior "dry joint" composite panel cladding that is designed as a water managed system to control the impact of wind driven rain on exterior walls. The system, with its caulk free design, offers the desired crisp, clean and contemporary look for today's architectural composite cladding design intent.



VANTAJ™ ACM PANEL FEATURES

- Pressure equalized rain screen design
- ACM joint filler allowing for variable joint dimensions and color
- Floating attachment system to accommodate thermal movement
- No sealants in the reveals
- Fully tested for air, water and structural performance
- Independently tested to AAMA 508 voluntary test method for pressure equalized rain screen wall cladding systems

MATERIALS

Aluminum Face Sheets:

- Thickness: 0.020" (0.51 mm)
- Aluminum Alloy: 3000 series or equivalent

Polyethylene (PE) Core tested with a center panel joint per ASTM E84:

- Flame Spread: 15
- Smoke Developed: 0

Polyethylene (PE) Core tested with no joint per ASTM E84:

- Flame Spread: 0
- Smoke Developed: 0

Fire Resistant (FR) Core tested with a center panel joint per ASTM E84:

- Flame Spread: 15
- Smoke Developed: 30

Fire Resistant (FR) Core tested with no joint per ASTM E84:

- Flame Spread: 0
- Smoke Developed: 0

Panel Thickness:

- 0.118" (3 mm), 0.157" (4 mm), 0.236" (6 mm)
- FR core is only available in 0.157" (4 mm)*

Tolerances:

- Width: +/-0.08" (2.03 mm)
- Length: +/-0.16" (4.06 mm)
- Panel Bow: Maximum 0.8 percent of any 72" (1829 mm) panel dimension
- Squareness: Maximum 0.20" (5.08 mm)
- Flatness: Maximum deviation from panel flatness shall be 1/8" (3 mm) in 5' (1524 mm) on panel in any direction for assembled unites (non-accumulative, no oil-canning)

ENVOLUTION.COM

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