

1-PIECE, TIGHT-FIT MOLDING

Technical Data Sheet

SYSTEM: 1-Piece, Tight-Fit Molding

EFFECTIVE: May 1, 2019

Description: 1-Piece, Tight-Fit Molding is a progressive installation system that consists of metal composite material (MCM) panels and aluminum moldings to encapsulate panel edges. The system is intended for use with aluminum sub-framing that prevents water accumulation in the wall assembly and is also available with rigid insulation panels that provide continuous insulation (CI) to a building envelope.

Properties:

Depth (standard)	1-1/4 in (nom)	
Weight	Over Gypsum Sheathing 1.66 psf (+/-)	Over Omega CI® 3.93 psf (+/-)
Weather Protection (IBC 1403.2)	Back-Drained and Ventilated (BD&V) Sub-framing	
Exterior Wall Finish (IBC 1407.2)	PVDF/Kynar 500®, Polyester, or Anodized MCM and Moldings	
Continuous Insulation (ASHRAE 90.1)	Omega CI®	

Performance:

	Over Gypsum Sheathing	Over Omega CI®
System Classification (AAMA 509)	V1 / W1 Classification	V2 / W1 Classification
Air Leakage Testing (ASTM E283)	< 0.01 cfm / ft ² @ 6.24 psf	< 0.01 cfm / ft ² @ 6.24 psf
Uniform Load Testing (ASTM E330)	+60 psf / -120.0 psf	+60 psf / -100.0 psf
Water Penetration Testing (ASTM E331)	Pass @ 12.11 psf	Pass @ 12.11 psf
Perimeter Framing Deflection	< L/175 normal to plane of wall	
Panel Deflection	< L/60 normal to plane of wall	
At 150% pressure	< L/1000 permanent deformation or failure	
Thermal Movement	Temperature range of -20°F to +180°F at material surface	
Fire Performance (NFPA 285)	Meets Conditions of Acceptance	