

# 1-PIECE, TIGHT-FIT MOLDING

## Technical Data Sheet

**PRODUCT:** 1-Piece, Tight-Fit Molding

**EFFECTIVE:** February 8, 2021

**Description:** 1-Piece, Tight-Fit Molding is a back-drained and ventilated (BD&V), 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 BD&V 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 <sup>2</sup> @ 6.24 psf	< 0.01 cfm / ft <sup>2</sup> @ 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
ICC-ES Listing Reports <sup>1</sup>	ESL-1248 (NFPA 285)	ESL-1248 (NFPA 285) ESL-1249 (AAMA 509) ESL-1250 (ASTM E330) ESL-1252 (ASTM E331) ESL-1254 (ASTM E283)
Perimeter Framing Deflection	< L/175 normal to plane of wall	
Panel Deflection	< L/60 normal to plane of wall	

**Go beyond the panel... and go to the next level!**

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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

Notes:

1. Omega-Lite® ACM panels and installation system components are manufactured under a quality control program with inspections by ICC-ES per AC-10.