

# OMEGA-LITE®

## Technical Data Sheet

**PRODUCT:** Omega-Lite®  
**EFFECTIVE:** February 8, 2021

**Description:** Omega-Lite® is a metal composite material (MCM) panel that consists of a thermoplastic core bonded to a finished sheet of aluminum on one face and an unfinished sheet of aluminum on the other. Panels are intended for use in Laminators Inc. installation systems.

**Properties:**

Thickness (standard)	6 mm (nom)
Weight	0.99 psf (+/-)
Core	Extruded Corrugated Polypropylene
Sheets (ASTM B209)	3003-H14/24, 3105-H14/24 & H26/28, 5005-H34 Aluminum 0.012 to 0.032 in
Texture Finish	Smooth or Stucco-Embossed
Color Finish (AAMA 2605)	PVDF/Kynar 500®, Polyester, or Anodized
Thermal Expansion	13.1x10 <sup>-6</sup> in/in/°F

**Performance:**

R-Value (ASTM C518)	0.50 hr °F ft <sup>2</sup> / BTU
Fire Performance (ASTM E84)	Class A Flame Spread Index (FSI) = 0 Smoke Developed Index (SDI) = 20
Sound Transmission (ASTM E90)	STC 24
Average Peel Torque (ASTM D1781)	24.06 in-lb/in
Self-Ignition Temperature (ASTM D1929)	770°F
Combustibility Classification (ASTM D635)	Class CC1
Flexural Rigidity (EI) (ASTM E529) *	Approx. 3.0 to 4.0x10 <sup>4</sup> lb-in <sup>2</sup> /ft
ICC-ES Listing Reports <sup>1</sup>	ESL-1251 (ASTM D1781) ESL-1253 (ASTM E84)

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.
2. All panels include 0.012 in sheet (actual) thickness backer.
3. \* Performed in conjunction with ASTM E529 Standard Guide for Conducting Flexural Tests on Beams and Girders for Building Construction.