

OMEGA-LITE®

Technical Data Sheet

PRODUCT: Omega-Lite®
EFFECTIVE: October 19, 2021

Description: Omega-Lite® is a metal composite material (MCM) panel that consists of a thermoplastic core bonded to a texture/color finished sheet of aluminum on one face and a protected mill finished 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 ¹ (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 ⁻⁶ in/in/°F

Performance:

R-Value (ASTM C518)	0.50 hr °F ft ² / 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) ² (ASTM E529)	Approx. 3.0 to 4.0x10 ⁴ lb-in ² /ft
ICC-ES Listing Reports ³	ESL-1251 (ASTM D1781) ESL-1253 (ASTM E84)

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

Notes:

1. All panels include 0.012 in (min) actual sheet thickness backer.
2. Testing was performed in conjunction with ASTM E529 Standard Guide for Conducting Flexural Tests on Beams and Girders for Building Construction.
3. Omega-Lite® ACM panels and installation system components are manufactured under a quality control program with inspections by ICC-ES per AC-10.