

OMEGA-LITE® TECHNICAL DATA SHEET

PRODUCT: Omega-Lite
EFFECTIVE: November 20, 2024

Description: Laminators Inc. Omega-Lite is an aluminum composite material (ACM) 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 the Laminators Inc. panel systems.

Properties:

Thickness	6 mm (nom)
Weight	0.99 psf (+/-)
Core	Extruded Corrugated Polypropylene
Aluminum Sheets ¹ (ASTM B209-14)	3003-H14/24; 3105-H14/24 & H26/28; 5005-H34 0.012 to 0.032 in
Texture Finish	Smooth or Stucco-Embossed
Color Finish (AAMA 2605-22)	PVDF/Kynar 500®, Polyester, or Anodized
Coefficient of Thermal Expansion, α (2015 ADM)	13×10^{-6} in/in/°F

Performance:

Specifications (2018 IBC / 1406.11.3.3)	
<ul style="list-style-type: none"> • Combustibility Classification (ASTM D635-06) 	Conforms to Class CC1
<ul style="list-style-type: none"> • Self-Ignition Temperature (ASTM D1929-96 [01]) 	770°F
R-Value (ASTM C518-10)	0.50 hr °F ft ² / BTU
Average Peel Torque (ASTM D1781-98 [12])	24.06 in-lb/in

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

Fire Performance (ASTM E84-19b)	Class A Flame Spread Index (FSI) = 0 Smoke Developed Index (SDI) = 20
Sound Transmission (ASTM E90-09)	STC 24
ICC-ES Listings ²	ESL-1251 (ASTM D1781-98 [Reapproved 2012]) ESL-1253 (ASTM E84-16 & -2013a)

Notes:

1. Panels include 0.012 in (min) actual sheet thickness backer.
2. Omega-Lite ACM panels and installation system components are manufactured under a quality control program with inspections per ICC-ES AC-10.