

# OMEGA-LITE® FR TECHNICAL DATA SHEET

**PRODUCT:** Omega-Lite FR  
**EFFECTIVE:** November 20, 2024

**Description:** Laminators Inc. Omega-Lite FR is an aluminum composite material (ACM) panel that consists of a thermoplastic core with nonhalogenated, fire-resistant (FR) additive 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. AdaptaClad® RS panel system.

**Properties:**

Thickness	6 mm (nom)
Weight	0.88 psf (+/-)
Core	Extruded Corrugated Polypropylene with Nonhalogenated FR Additive
Aluminum Sheets <sup>1</sup> (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, $\alpha$ (2015 ADM)	$13 \times 10^{-6}$ in/in/°F

**Performance:**

Specifications (2018 IBC / 1406.11.3.3)	
<ul style="list-style-type: none"> <li>• Combustibility Classification (ASTM D635-22)</li> </ul>	Conforms to Class CC2
<ul style="list-style-type: none"> <li>• Self-Ignition Temperature (ASTM D1929-23)</li> </ul>	824°F
Average Peel Torque (ASTM D1781-98 [21])	28.24 in-lb/in

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

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Fire Performance (ASTM E84-23)	Class A Flame Spread Index (FSI) = 0 Smoke Developed Index (SDI) = 5
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Notes:

1. Panels include 0.012 in (min) actual sheet thickness backer.