LAMINATORS
Composite Panel Solutions

www.LaminatorsInc.com
800.523.2347
3255 Penn St, Hatfield, PA 19440

GLAZE-LITE™
TECHNICAL DATA SHEET

PRODUCT: Glaze-Lite

EFFECTIVE: November 17, 2026

Description: Laminators Inc. Glaze-Lite is an aluminum composite material (ACM) panel that consists of a thermoplastic core typically bonded to a texture/color finished sheet of aluminum on each face. Panels are intended for use in glazing and storefront applications but not in Laminators Inc. panel systems.

Properties:

Thickness	6 mm (nom)
Weight	0.99 psf (+/-)
Core	Extruded Corrugated Polypropylene
Aluminum Sheets (ASTM B209)	3003-H14/24; 3105-H24 & H28; 5005-H34 0.012 to 0.015 in
Texture Finish	Smooth or Stucco-Embossed
Color Finish (AAMA 2605)	PVDF/Kynar 500®, Polyester, or Anodized
Coefficient of Thermal Expansion, α	$13x10^{-6}$ in/in/°F
Tolerances	(+/-) 1/4 in (Length & Width) and (+/-) 1/32 in (Thickness)
Squareness	Equal Within 1/8 in (Diagonals)
Flatness	< 1/4 in / 4 ft (0.52%)

Performance:

R-Value [1] (ASTM C518)	0.50 hr °F ft^2 / BTU
Sound Transmission [1] (ASTM E90)	STC 24

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Available Load-Carrying Capacities (R_n / Ω): [2,3,4,5]

0.012 to 0.015 in Sheets

Panel Span (in) [6]	≤ 18	24	30	36	42	≥ 48
Wind Load (psf) [7]	55*	30	15	5	5	-

Notes:

1. Based on Omega-Lite® due to same basic panel construction.
2. Internal testing performed in conjunction with ASTM E529 Standard Guide for Conducting Flexural Tests on Beams and Girders for Building Construction.
3. Capacities calculated for a 6 mm (nom) standard panel with actual sheet thickness and double-sided typical construction (matching sheet thickness on each face). Contact Laminators Technical Support for higher capacities of panels greater than 6 mm.
4. Capacities governed by the Aluminum Design Manual (ADM) using a Factor of Safety = 1.65 for yield strength.
5. Project-specific Components and Cladding wind loads (Required Strength, Ra) shall not exceed Available Load-Carrying Capacities (Allowable Strength, Rn / Ω) for given spans. Wind loads to be calculated per ASCE/SEI 7 Minimum Design Loads for Buildings and Other Structures.
6. Panel Span applies to shortest dimension of finished panel.
7. Deflection limits govern for given capacities (i.e. International Building Code (IBC) deflection limits have been met) except as noted * for governing strength condition capacities. Capacities capped at values shown but are higher for spans less than indicated. Some capacities fall below a 5 psf limit and are not reported for given spans.