

LUSTERBOARD™

TECHNICAL DATA SHEET

PRODUCT: LusterBoard
EFFECTIVE: August 14, 2024

Description: LusterBoard is a composite panel that consists of a plywood core bonded to a finished sheet of aluminum on each face. Panels are ideal for paints, digital inks (both UV and solvent cured), screen print inks, and pressure-sensitive vinyl panel applications.

Properties:

Thickness	1/2 in (nom)
Weight	1.80 psf (+/-)
Core	15/32 in Plywood
Aluminum Sheets (ASTM B209-14)	3003-H26/28 or 3105-H26/28 0.012 in
Texture Finish	Smooth
Color Finish (AAMA 2605-22)	Polyester
Coefficient of Thermal Expansion, α (2015 ADM)	13×10^{-6} in/in/°F
Tolerances	(+) 1/8 in, (-) 1/2 in (Length & Width) and (+/-) 1/16 in (Thickness)
Squareness	Equal Within 1/8" (Diagonals)
Flatness	< 1/4 in / 4 ft (0.52%)

Performance:


Adhesive Bond Test (UL 879)	Results considered acceptable
Flexural Rigidity (EI) ¹ (APA PS 1-09)	8.7×10^4 lb-in ² /ft

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

Average Outdoor Life Expectancy	5 to 7 Years
Warranty ²	5 years against bond line delamination
	10 years against chalking in excess of a numerical rating of (8); color fade or change in excess of (8) E units (NBS); and cracking, chipping, flaking, or peeling

Notes:

1. Based on published Table 9, Group 3 values.
2. With use of edge cap and Laminators Inc. approved silicone caulk. Contact Laminators Inc. for full warranty terms and conditions.


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