

LUSTERBOARD™

Technical Data Sheet

PRODUCT: LusterBoard™

EFFECTIVE: April 19, 2021

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 (standard)	1/4 in (nom)	1/2 in (nom)
Weight	1.07 psf (+/-)	1.80 psf (+/-)
Core	Plywood	
	1/4 in	15/32 in
Sheets (ASTM B209)	3003-H26/28 or 3105-H26/28 Aluminum 0.012 in	
Texture Finish	Smooth	
Color Finish	Polyester	
Thermal Expansion	13.1x10 ⁻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)	1.05 x10 ⁴ lb-in ² /ft	8.7 x10 ⁴ lb-in ² /ft
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.