



Premium Panel  
 NORLAM™ NL610-10733-750  
 Technical Data Sheet

Upper Skin Material	2024-T3 Aluminum Clad
Lower Skin Material	2024-T3 Aluminum Clad
Core Material	5052 Aluminum Core
Core Density	3/16 inch cell size; 5.7 lb/ft <sup>3</sup>
Max Weight	1.175 lb/ft <sup>2</sup>
Typical Weight	1.039 lb/ft <sup>2</sup>
Panel Thickness	0.750 in. ± 0.010 in.
Warpage <sup>[1]</sup>	0.025 in. maximum

Tested Physical Properties <sup>[2]</sup>	Results Value <sup>[2]</sup>		Failure Mode <sup>[2]</sup>	Tested IAW <sup>[2]</sup>
	A-Basis	B-Basis		
Long Beam Flexure <sup>[3]</sup>				
"L" Direction Skin Stress, psi	62,587	64,728	Upper Skin Compression	ASTM C 393 ASTM D 7249
"L" Direction P/Y, lb/in	2,188	2,452		
"W" Direction Skin Stress, psi	48,127	55,660		
"W" Direction P/Y, lb/in	2,029	2,268		
Short Beam Shear <sup>[3]</sup>				
"L" Direction Stress, psi	277	357	Core Shear	ASTM C 393
"W" Direction Stress, psi	247	264		
Stabilized Core Compression, psi	758	826	Core Crush	ASTM C 365

Panel meets FAR 25.853(a)'s 60-second vertical burn requirements.

- 1: Panel warpage is measured as a maximum deviation from a straight line in a 4-foot span.
- 2: FAA approved allowables' data, per applicable FAA Form 8110-3, which is available upon request.
- 3: All data was calculated using a skin thickness of .020 inches.

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