



# FAA ALLOWABLE<sup>1</sup>

## NORLAM™ 610-10633-1000

<b>Upper Skin Material Thickness</b>	2024-T3 Aluminum Clad Per SAE QQ-A-250 0.020 inch
<b>Lower Skin Material Thickness</b>	2024-T3 Aluminum Clad Per SAE QQ-A-250 0.020 inch
<b>Core Material</b>	5052 Aluminum Core
<b>Density</b>	3/16 inch cell size; 4.4 lb/ft <sup>3</sup> ; 0.0015 inch foil

<sup>2</sup> Panel Property	Test Results Value		Failure Mode	Tested IAW	
Max Weight, lb/ft <sup>2</sup>	1.190		---	---	
Typical Weight, lb/ft <sup>2</sup>	1.054		---	---	
Thickness, inch	1.000 ± 0.010		---	ASTM C 366	
<sup>3</sup> Warpage, inch	0.025 max		---	---	
Long Beam Flexure	<b>A-Basis</b>	<b>B-Basis</b>	Upper Skin Compression	ASTM D 7249	
	"L" Direction Skin Stress, psi	51,757			55,089
	"L" Direction P/Y, lb/in	2,017			2,140
	"W" Direction Skin Stress, psi	46,504			50,231
	"W" Direction P/Y, lb/in	498			965
Short Beam Shear			Core Shear	ASTM C 393	
	"L" Direction Stress, psi	222			260
	"W" Direction Stress, psi	153			169
Stabilized Core Compression, psi	328	367	Core Crush	ASTM C 365	
Climbing Drum Peel, in-lb/3-inch width	<b>Minimum</b> 32		Cohesive	ASTM D 1781	

1/ 8110-3 available on request.

2/ Panel meets FAR 25.853a, 60 second vertical burn requirements.

3/ Panel warpage is measured as a maximum deviation from a straight line in a 4 foot span.

**NOTICE:** All data and statements concerning this product are based upon FAA witnessed testing by NORDAM under controlled conditions. This information, therefore, may be considered as being indicative of representative properties and characteristics obtainable. **This data has been FAA DER witnessed.** We make no warranty, expressed or implied, concerning its use, nor do we accept responsibility for any misapplications of this product, or its use under any conditions.