



FAA ALLOWABLE¹
NORLAM™ 610-10733-500

Upper Skin Material Thickness	2024-T3 Aluminum Clad Per SAE QQ-A-250 0.020 inch
Lower Skin Material Thickness	2024-T3 Aluminum Clad Per SAE QQ-A-250 0.020 inch
Core Material	5052 Aluminum Core
Density	3/16 inch cell size; 5.7 lb/ft ³ ; 0.002 inch foil

² Panel Property	Test Results Value		Failure Mode	Tested IAW
Max Weight, lb/ft ²	1.045		---	---
Typical Weight, lb/ft ²	0.920		---	---
Thickness, inch	0.500 ± 0.010		---	ASTM C 366
³ Warpage, inch	0.025 max		---	---
Long Beam Flexure "L" Direction Skin Stress, psi "L" Direction P/Y, lb/in "W" Direction Skin Stress, psi "W" Direction P/Y, lb/in	A-Basis	B-Basis	Upper Skin Compression	ASTM D 7249
	46,386	52,570		
	919	1,088		
	44,302	48,915		
	796	965		
Short Beam Shear "L" Direction Stress, psi "W" Direction Stress, psi			Core Shear	ASTM C 393
	285	371		
	265	275		
Stabilized Core Compression, psi	773	835	Core Crush	ASTM C 365
Climbing Drum Peel, in-lb/3-inch width	Minimum 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.