



FAA ALLOWABLE¹
NORLAM™ 610-10733-1000

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	1.306		---	---	
Typical Weight, lb/ft ²	1.158		---	---	
Thickness, inch	1.000 ± 0.010		---	ASTM C 366	
³ Warpage, inch	0.025 max		---	---	
Long Beam Flexure	A-Basis	B-Basis	Upper Skin Compression	ASTM D 7249	
	"L" Direction Skin Stress, psi	58,840			60,916
	"L" Direction P/Y, lb/in	1,803			1,984
	"W" Direction Skin Stress, psi	50,262			55,148
	"W" Direction P/Y, lb/in	1,757			1,854
Short Beam Shear			Core Shear	ASTM C 393	
	"L" Direction Stress, psi	385			422
	"W" Direction Stress, psi	259			271
⁴ Stabilized Core Compression, psi	656		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.

4/ Values reported as Mean values and not a FAA approved value

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.