



FAA ALLOWABLE¹
NORLAM™ 410-10233-520

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	Aluminum Commercial Grade
Density	3/8 inch cell size; 3.3 lb/ft ³

² Panel Property	Test Results Value		Failure Mode	Tested IAW
Max Weight, lb/ft ²	0.947		---	---
Typical Weight, lb/ft ²	0.834		---	---
Thickness, inch	0.52 ± 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
	46,700	48,000		
	-	-		
	44,100	45,300		
	-	-		
Short Beam Shear "L" Direction Stress, psi "W" Direction Stress, psi			Core Shear	ASTM C 393
	231	238		
	126	131		
Stabilized Core Compression, psi	251	289	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.