



FAA ALLOWABLE¹

NORLAM™ 610-10733-375

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	0.979		---	---	
Typical Weight, lb/ft ²	0.861		---	---	
Thickness, inch	0.375 ± 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	56,991			58,386
	"L" Direction P/Y, lb/in	638			647
	"W" Direction Skin Stress, psi	55,610			58,340
	"W" Direction P/Y, lb/in	626			636
Short Beam Shear			Core Shear	ASTM C 393	
	"L" Direction Stress, psi	464			506
	"W" Direction Stress, psi	373			379
Stabilized Core Compression, psi	813	880	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.