



# FAA ALLOWABLE<sup>1</sup>

## NORBOND™ 220-0133-375

<b>Upper Skin Material Thickness</b>	One Ply 7781 Style E-Glass / Epoxy Resin 0.010 inch
<b>Lower Skin Material Thickness</b>	One Ply 7781 Style E-Glass / Epoxy Resin 0.010 inch
<b>Core Material</b>	Honeycomb - Fibrous Aramid/Phenolic Coated
<b>Density</b>	1/8 inch cell size; 3.0 lb/ft <sup>3</sup> ; Aramid Fiber Paper

<sup>2</sup> Panel Property	Test Results Value		Failure Mode	Tested IAW
Max Weight, lb/ft <sup>2</sup>	0.318		---	---
Typical Weight, lb/ft <sup>2</sup>	0.296		---	---
Thickness, inch	0.375 ± 0.010		---	ASTM C 366
<sup>3</sup> 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	<b>A-Basis</b>	<b>B-Basis</b>	Upper Skin Compression	ASTM C 393 ASTM D 7249
	24,686	27,010		
	61.6	70.5		
	24,757	26,669		
	64.6	70.4		
Short Beam Shear "L" Direction Stress, psi "W" Direction Stress, psi			Core Shear	ASTM C 393
	114	128		
	82.1	89.2		
Stabilized Core Compression, psi	204	221	Core Crush	ASTM C 365
Climbing Drum Peel, in-lb/3-inch width	<b>Minimum</b>		Cohesive	ASTM D 1781
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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.