



# FAA ALLOWABLE<sup>1</sup>

## NORBOND™ 221-0155-1000

<b>Upper Skin Material Thickness</b>	Two Plies 7781 Style E-Glass / Phenolic Resin 0.020 inch
<b>Lower Skin Material Thickness</b>	Two Plies 7781 Style E-Glass / Phenolic Resin 0.020 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>	0.703		---	---	
Typical Weight, lb/ft <sup>2</sup>	0.654		---	---	
Thickness, inch	1.000 ± 0.010		---	ASTM C 366	
<sup>3</sup> Warpage, inch	0.025 max		---	---	
Long Beam Flexure	<b>A-Basis</b>	<b>B-Basis</b>	Upper Skin Compression	ASTM C 393 ASTM D 7249	
	"L" Direction Skin Stress, psi	22,577			24,383
	"L" Direction P/Y, lb/in	614			683
	"W" Direction Skin Stress, psi	15,811			22,272
	"W" Direction P/Y, lb/in	131			343
Short Beam Shear			Core Shear	ASTM C 393	
	"L" Direction Stress, psi	118			127
	"W" Direction Stress, psi	42.9			60.6
Stabilized Core Compression, psi	220	251	Core Crush	ASTM C 365	
Climbing Drum Peel, in-lb/3-inch width	<b>Minimum</b>		Cohesive	ASTM D 1781	
	11				

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.