



FAA ALLOWABLE¹

NORBOND™ 220-0155-500

Upper Skin Material Thickness	Two Plies 7781 Style E-Glass / Epoxy Resin 0.020 inch
Lower Skin Material Thickness	Two Plies 7781 Style E-Glass / Epoxy Resin 0.020 inch
Core Material	Honeycomb - Fibrous Aramid/Phenolic Coated
Density	1/8 inch cell size; 3.0 lb/ft ³ ; Aramid Fiber Paper

² Panel Property	Test Results Value		Failure Mode	Tested IAW	
Max Weight, lb/ft ²	0.565		---	---	
Typical Weight, lb/ft ²	0.529		---	---	
Thickness, inch	0.500 ± 0.010		---	ASTM C 366	
³ Warpage, inch	0.025 max		---	---	
Long Beam Flexure	A-Basis	B-Basis	Upper Skin Compression	ASTM C 393 ASTM D 7249	
	"L" Direction Skin Stress, psi	26,749			30,016
	"L" Direction P/Y, lb/in	205			227
	"W" Direction Skin Stress, psi	30,513			33,219
	"W" Direction P/Y, lb/in	148			152
Short Beam Shear			Core Shear	ASTM C 393	
	"L" Direction Stress, psi	151			161
	"W" Direction Stress, psi	101			107
Stabilized Core Compression, psi	253	285	Core Crush	ASTM C 365	
Climbing Drum Peel, in-lb/3-inch width	Minimum		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.