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NAVY COMPOSITE FALSE DECK PANELS

CUT SHEET

NSN 2040-01-727-2423

False Decking is used throughout the US Naval surface fleet for interior applications in both electronic (Group 1) and non-electronic (Group 2) spaces.

NSN 2040-01-727-2423 is a lightweight balsa core panel with a marble blue Lonmat XL wear surface material which can be easily cut using a CNC machine.

This panel has an areal weight of 2.17 lb/ft² and meets Military Performance Specification MIL-PRF-32664 without shock testing.

Available Sizes:

Form	Thickness	Width	Length
1	0.560 inch	48.0 inch	96.0 inch
2	0.560 inch	10.375 inch	24.0 inch

Panel Classification	Passed Following Test Methods
Type 1 - Combustible Materials	Flame spread - ASTM E162 Smoke optical density - ASTM E662 Fire gas toxicity - ASTM E800 & ASTM E662
Class 1 - Wear Surface Compliant	Fire Performance for Interior Finish Materials and Furnishings - MIL-STD-1623

Electrical Performance	Test Method	Nominal Value
Dielectric Strength	MIL-DTL-15562, Para 4.6.11	>30,000 V (Passed)
Voltage	MIL-DTL-15562, Para 4.6.10	15,000 V for 1 min (Passed)

Mechanical Performance	Test Method	Nominal Value
Short Beam Shear Strength	ASTM C393	435 psi
Long Beam Sandwich Flexure Load	ASTM D7249	652 psi
Sandwich Compression Strength	ASTM C365	1916 psi
Edgewise Compression Strength	ASTM C364	26,160 psi
Flatwise Tensile Strength	ASTM C297	1,088 psi



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