

SUPER THERM Test Listings

1. ASTM Testing:

B 117 / D 1654	450 Hour Salt Spray (Fog)	Passed
C 177	Thermal Conductivity	Passed
C 236-89 (93)	Thermal Transmittance/Conductance	
Guarded Hot Box	*Fiberglass 0.52 conductance (BTU/sq.ft./hour/F) SUPER THERM 0.31 conductance – one coat SUPER THERM 0.21 conductance – two coats	
C 411	High-Temperature Surface Performance	Passed
D 412	Tensile Properties	Passed
	- .041 thickness = 13,248 psi.	
D 522	Mandrel Bend on metal or rubber materials	Passed
	- 1” (25mm) bend	
	- ¼” (6mm) bend	
D 1653	Water Vapor Permeability	
D 3273-82T / D 3274	Fungal Resistance	
D 4060	Abrasion Resistance	
E 84 NFPA 255	Flame Spread / Smoke Developed	Passed
UL 723	- Class “A” Rating (or Class “1” or Class “I”)	
UBC 42-1		
ANSI 2.5		
FM E 84		
E 84-89 ^a	Flame Spread / Smoke Developed	Passed
	- Flame Index “0”	
	- Smoke Index “0”	
E 96	Water Vapor Transmission	Passed
	- Less than .01	
E 903-96	Reflectance	
E 1269	Heat Capacity by Differential Scanning Colorimeter	
	- TPRL	Passed

E 1461 (92)	Thermal Diffusivity/Conductivity by Flash Method - TPRL BTU Conduction 3.99 at 100 C. Passed	
G 53	- Blocking 99% of Heat BTU Conduction 1000 Hours UV Exposed	Passed

2. NASA (National Aeronautics and Space Administration) Testing:

NASA 8060.1B/C, Test 1	Flammability Test - Class "A" Rated - "0" Flame Spread	Passed
NASA 8060.1C, Test 7	Toxic Off-gassing Test - "K" Rating for Toxicity	Passed

3. International Maritime Organization:

IMO A. 653 (16)	Flame Spread Test - For Bulkhead, Wall, and Ceiling Linings	Passed
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4. Marine Safety Counsel:

MSC.41 (64)	Toxic Gas Generation - Used Colorimetric Gas Detector Tubes - Met All Toxic Gas Requirements	Passed
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5. Japanese Testing:

JIS A 5759	Reflectivity Light and Radiation - Light Reflectivity Ratio = 92.2 - Long Wave Radiation = 99.5 (Infrared)	Passed
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6. China Center for Technical Testing:

National Measurement M0729

GB/T 1771-91	- Resistance to Salt Fog (2000 hours)	Passed
GB/T 1866-88	- Manuel Aging (2000 hours)	Passed
GB/T 10834-88	- Resistance to Salt Water (1000 hours)	Passed
GB/T 5219-85	- Adhesion (pulling apart method)	4.07MPa
GB/T 1733-93	- Boiling Water Immersion	8 Hours