



SUPER THERM®
21st Century Solutions For Age Old Problems

Product Test Listing (09/06)

PASSED ASTM TESTING:	
B117/D1654	450 Hour Salt Spray (Fog)
C117	Thermal Conductivity
E 903-96	Spectral Reflectance 80% Only one percent (1%) loss of reflectivity over 3 year duration
G53	1000 Hours UV Exposed
C236-89 (93) Guarded Hot Box	Thermal Transmittance/Conductance Fiberglass 0.52 conductance (BTU/sf/hr/F) Super Therm 0.31 conductance - one coat Super Therm 0.21 conductance - two coats
E 96	Water Vapor Transmission - Less than .01
E1269	Heat Capacity by Differential Scanning Colorimeter-TPRL
D4060	Abrasion Resistance
D412	Tensile Properties .041 thickness = 444 psi
E 84-89 ^a	Flame Spread/Smoke Developed Flame Index "0" Smoke Index "0"
D3273-82T/D3274	Fungal Resistance
D522	Mandrel Bend on Metal or Rubber Materials 1" (25mm) bend 1/4" (6mm) bend
D 6904	Resistance to Wind Driven Rain for Exterior Coatings (Fed Spec TT-C-555B)
D 7088	Resistance to Hydrostatic Pressure for Coatings (Fed Spec TT-C-555B)
E1461 (92)	Thermal Diffusivity/Conductivity by Flash Method TPRL BTU Conduction 3.99 at 100 C. Blocking 99% of Heat BTU Conduction
E84 NFPA 255	Flame Spread/Smoke Developed Class "A" Rating (or Class 1 or Class I) (UL723; UBC 42-1; ANSI 2.5; FM E 84)
C411	High Temperature Surface Performance Tested at 147 degrees C / 297 degrees F for 96 hours – No warpage, cracking, delamination or color change
E108	Flame Spread on Pitched Roof
D1653	Water Vapor Permeability

JAPANESE TESTING:	
JIS A 5759	Reflectivity Light and Radiation – Passed Light Reflectivity Ratio = 92.2 Long Wave Radiation = 99.5 (Infrared)

CHINA CENTER FOR TECHNICAL TESTING:	
National Measurement M0729	
GB/T 1771-91	Resistance to Salt Fog (2000 hrs) - Passed
GB/T 1866-88	Manual Aging (2000 hrs) - Passed
GB/T 10834-88	Resistance to Salt Water (1000 hrs) - Passed
GB/T 5219-85	Adhesion (Pulling Apart Method) - Passed
GB/T 1733-93	Boiling Water Immersion (8 hrs) - Passed

INTERNATIONAL MARITIME ASSOCIATION:	
IMO A.653 (16)	Flame Spread Test - Passed For Bulkhead, Wall and Ceiling Linings

NASA (NAT'L AERONAUTICS & SPACE ADMIN):	
NASA 8060.1 B/C Test 1	Flammability Test - Passed Class "A" Rated Zero Flame Spread
NASA 8060.1C Test 7	Toxic Off-gassing Test "K" Rating for Toxicity - Passed

ABS (AMERICAN BUREAU OF SHIPPING) TESTING IMO (INTERNATIONAL MARITIME ORGANIZATION) US COAST GUARD APPROVAL:	
IMO A.653 (16)	Flame Spread - Passed
MSC 41	Smoke Toxicity - Passed
<i>*Additional ASTM testing necessary for approvals listed above.</i>	

Complete Test Results Are Available Upon Request