



RUST GRIP®

Product Test Listings (04/01/13)

ASTM TESTING:	
B 117	15,000 Hour Salt Spray (Fog) - Salt Spray Fog Testing - RUST GRIP® over Steel
D-257-99	D-C Resistance of Insulating Materials - Surface Resistivity = 5.237E+15 - Volume Resistivity = 5.263E+15
D 522	Mandrel Bend - Penetration through 18 layers of Lead Base Paint - Rated 5A = Excellent
D 610 D 714 D 1654 DG 20-88	Percentage of surface rusted = rating 9 No blistering = rating 10 No loss of adhesion = rating 10 Chemical resistance = excellent
D 3359	Adhesion and Penetration - Penetration through 18 layers of Lead Base Paint - Rated 5A = Excellent
D 4060	Tabor Abrasion Resistance - 1000 Cycles with a CS 17 Wheel, 1000 gram Load - 18 milligram loss per 1000 Cycles, rated Excellent
D 4541	Standard Method for Pull-Off Strength - Pull-Off Strength = 1467
D 6904	Resistance to Wind-Driven Rain for Exterior Coatings Applied to Masonry
D 7088	Resistance to Hydrostatic Pressure for Coatings Used in Below Grade Applications Applied to Masonry
E-108-00	Spread of Flame Tests on Pitched Roofs - Class "A" Non-combustible
E 903-96	Spectral Reflectance - Average of 3 Tests = 44.6% Solar Reflectance 55.5% Solar Absorption
E 1795	Encapsulation of Leaded Paint in Buildings - Direct Impact Resistance (ASTM D 2794) - Adhesion (ASTM D 3359, D 4541) - Dry Abrasion Resistance (ASTM D 4060) - Water Vapor Transmission (ASTM D 1653) - Flexibility – Mandrel Bend (ASTM D 522) - Distilled Water Resistance – Immersion 24 hours - .010" Tinplated Steel (ASTM D 1308, D 3359) - ¼" Steel or Aluminum (ASTM D 1308, D 4541) - Chemical Resistance – 24 Hours- 12 Reagents - Spot Test on Glass (ASTM D 1308) - Surface Burning Characteristics (E 84) - Volatile Organic Content (VOC) - (ASTM D 2369, D 4017, D 3960, D 1475) - Weathering (1000 hours) - Aging (interior and exterior) - Scrub Resistance (ASTM D 2486) - Black Plastic – No Break thru after 12 cycles) - Mildew Resistance (ASTM D 3273, 3274) - Paint / Repair Ability (ASTM D 3359) - Tensile Properties (6780psi after 3 weeks) - Visco-Elastic Properties (ASTM D 2370)

ASTM TESTING CONTINUED	
F 963	Compliance with maximum soluble limits of - Antimony, arsenic, barium, cadmium, chromium - Lead, mercury, and selenium
G 20	Chemical Exposure - 5% Ammonia - 5% Urea - 1500 Hour Salt Fog
G 85	Prohesion (Louisiana DOT) - 1500 Hour Salt Fog - Rated 9 (out of a possible 10 rating)

Testing for ABS (American Bureau of Shipping), IMO (International Maritime Organization) and U.S. Coast Guard Approval.	
IMO A 653 (16)	Flame Spread [A 653 (16)]
MSC 41	Smoke Toxicity - ASTM B117, D163, D522, D3359, & E1795

Rame-Hart Static Contact Angle (Young's Equation):
Static contact angle of Rust Grip® is lower than water demonstrating that Rust Grip® has exceptional wettability, adhesiveness, and high solid surface free energy for greater penetration into the substrate.

China Center for Technical Testing:	
National Measurement M0729	
GB/T 1771-91	- Resistance to Salt Fog (2000 hours)
GB/T 1866-88	- Manuel Aging (2000 hours)
GB/T 10834-88	- Resistance to Salt Water (1000 hours)
GB/T 5219-85	- Adhesion (pulling apart method)

Window Recycling Test for Encapsulation of Lead Based Paint:
Testing was done for encapsulating existing lead based paint on windows for HUD
- Window coated with RUST GRIP®
- Coated surface showed no wear, friction burn, or lead-based paint exposure
- Window was cycled a total of 29,700 times before test concluded.

Maximum Temperature Exposure Test:
Thermal analysis testing was performed on RUST GRIP® to determine maximum temperature exposure during application and operation
-Maximum temperature is 600 degrees F (315 degrees C)

Complete Test Results Are Available Upon Request