

# RUST GRIP Test Listings

## 1. ASTM Testing:

B 117	450 Hour Salt Spray Exposure - Salt Spray Fog Testing - RUST GRIP over Black Steel	Passed
C 411	96 Hour Hot Surface Performance - Tested at 147 degrees C (293 F) - No Ignition, Smoking, or Smoldering - No Change in Color	Passed
D 3359	Adhesion and Penetration - Penetration through 18 layers of Lead Base Paint - Rated 5A = Excellent	Passed
D 4060	Tabor Abrasion Resistance - 1000 Cycles with a CS 17 Wheel, 1000 gram Load - 18 milligram loss per 1000 Cycles, rated Excellent	Passed
D 4541	Standard Method for Pull-Off Strength - Pull-Off Strength = 382.42	Passed

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 (ASTM D 522)
- Distilled Water Resistance – Immersion 24 hours
  - .010” Tinplated Steel (ASTM D 1308, D 3359)
  - 1/4” 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
- Visco-Elastic Properties (ASTM D 2370)

G 85

Prohesion

- 1500 Hour Salt Fog
- Rated 9 (out of a possible 10 rating)
- State of Louisiana Department of Transportation

## **2. 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

## **3. 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 exposed after 20,000 cycles.
- Window was cycled a total of 29,700 times before ending test.