

RUSTGRIP CERTIFICATIONS

RUSTGRIP®

****TEST LISTINGS****

1. RUSTGRIP® PATENT

2. Full List of Testing and Certifications (151 pages)

3. ASTM (American Society for Testing and Materials)



B 117 Standard Practice for Operating Salt Spray (Fog) Apparatus The coated panels were exposed in a Salt Fog Chamber maintained in accordance with B 117, for 15,000 hours. The panels were evaluated periodically for blistering overall in accordance with **D 714** and rust staining overall in accordance with **D 610** and achieved **a perfect 10 in both** at the end of the 15,000 hours

Passed

15,000 hours

C 411 96 Hour Hot Surface Performance

Passed

- Tested at 147°C (293°F)

- No Ignition, Smoking, or Smoldering

- No Change in Colour

D 522 - Flexibility

Passed

D 1308 - Distilled Water Resistance (Immersion 24 hours)

Passed

- .010" Tin plated Steel

- 1/4" Steel or Aluminum

- 24 Hour Chemical Resistance (12 Reagents) - Spot Test on Glass

D 1475 - Volatile Organic Content

Passed

D 1653 - Water Vapor Transmission	Passed
D 2369 - Volatile Organic Content	Passed
D 2370 - Visco-Elastic Properties	Passed
D 2486 - Scrub Resistance	Passed
- Black Plastic - No Break thru after 12 cycles	
D 2794 - Direct Impact Resistance	Passed
D 3273 / D 3274 - Mildew Resistance	Passed
<u>D 3359</u> Adhesion and Penetration testing	Passed
- Penetration through 18 layers of Oil Base Paint	
- Rated 5A = Excellent	
- <u>MICRO PHOTOGRAPH</u>	
D 3960 / D 4017 - Volatile Organic Content	Passed
D 4060 Tabor Abrasion Resistance	Passed
- Dry Abrasion Resistance	
- 1000 Cycles with a CS 17 Wheel, 1000 gram Load	
- 18 milligram loss per 1000 Cycles, rated Excellent	
<u>D 4541</u> Standard Method for Pull-Off Strength of Coatings using Portable Adhesion Testers	Passed
- Average Pull-Off Strength = 1,467 psi	
<u>D 5894-10</u> Standard Practice for Cyclic Salt Fog/UV Exposure of Painted Metal, (Alternating Exposures in a Fog/Dry Cabinet and a UV/Condensation Cabinet.) Blistering & Rusting Evaluation.	Passed 1000, 5000, 10,000 Hours
<u>D 6904</u> Standard Practice for Resistance to Wind-Driven Rain for Exterior Coatings Applied to Masonry	Passed

D 7088 Standard Practice for Resistance to Hydrostatic Pressure for Coatings Used in Below Grade Applications Applied to Masonry

E 108 Standard Test Method for Spread of Flame of Roof Coverings

Rating

E 1795 BioHazard Encapsulation Certification

Conforms to all requirements

- Direct Impact Resistance
- Adhesion
- Dry Abrasion Resistance
- Water Vapor Transmission
- Flexibility
- Water and Chemical Resistance
- Water Immersion
- Surface Burning Characteristics
- Volatile Organic Content
- Weathering (1000 hours)
- Aging (interior and exterior)
- Scrub Resistance
- Mildew Resistance
- Paint / Repair Ability
- Tensile Properties

E 84 - Surface Burning Characteristics

Passed

G 20 Standard Test Method for Chemical Resistance of Pipeline Coatings.

G 85 Prohesion over rusted metal

Passed

- Rated 9 (out of a possible 10 rating)

4. US Army Corp of Engineers



- Test Report

Passed

Moisture-Cure Urethane Coatings for Compliance with Industry Specifications SSPC Paint 41

5. Society of Petroleum Engineers



- Test Report

Passed

Society of Petroleum Engineers and Workstrings International selected RUST GRIP as the final choice for protection of steel from Salt Water and ZnBr Completion Fluids.

6. Factory Mutual Approval



- ASTM E 108 Tested and Approved for Roofing and all Class A other Applications

*Superior Products International II, Inc. is an active member of the NRCA.

(National Roofing Contractors Association)

7. WINDOW CYCLING Test

Opening/Closing of treated window to measure friction/wear

Passed

- Completed 20,000 cycles of opening / closing the window. 54 years of protection

8. [DNV Certification](#)

Passed



- DNV Audit and DNV Compliant

Passed

- ASTM B 117, D 163, D 522, D 3359, D 4060, & E 1795

- Official DNV Certification of [RUSTGRIP](#)® for Maritime DNV usage. Certified

9. [State of Louisiana Department of Transportation](#)

10. [State of Oklahoma Department of Transportation](#)

11. [State of Tennessee Department of Transportation](#)

12. [ABS Coast Guard Approval](#)



13. [Transport Services Division](#) Pavements & Structures Section – Materials Group



Pull tests rated equal to 1100 psi.

14. [Aramco Oil in Saudi Arabia Approval for Asbestos Encapsulation](#)

Approved Product

15. **VTEC Laboratories INC**



Thermal analysis

16. LEED - Leadership in Energy & Environmental Design

Approved
product



May 1, 2007 (revised May 21, 2007) (Washington, DC) –
The U.S. Green Building Council (**USGBC**) has
announced that projects seeking certification under the
LEED® Green Building Rating System™ can now earn an
"Innovation in Design" point by using the Cradle to
Cradle program for certified building products.



GOLD CERTIFICATION

17. USDA (United States Department of Agriculture)



- Letter of Authorization from USDA Product Safety
Branch

USDA
Approved

- Letter of Written Certification as Accepted by USDA
from Manufacturer

Approved

- Environmentally safe and safe for use around animals Passed

18. CFIA Canadian Food Inspection Agency

Accepted construction material

Passed

19. China Center for Technical Testing

National Measurement M0729

GB/T 1771-91 - Resistance to Salt Fog (2000 hours)	Passed
GB/T 1866-88 - Manual 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