

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) **Passed**
Apparatus The coated panels were exposed in a Salt **15,000 hours**
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

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 **Passed**
hours)

- .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
D 3359 Adhesion and Penetration testing	Passed
- Penetration through 18 layers of Oil Base Paint	
- Rated 5A = Excellent	
- MICRO PHOTOGRAPH	
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	
D 4541 Standard Method for Pull-Off Strength of Coatings using Portable Adhesion Testers	Passed
- Average Pull-Off Strength = 1,467 psi	
D 5894-10 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
D 6904 Standard Practice for Resistance to Wind-Driven Rain for Exterior Coatings Applied to Masonry	Passed

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

E 108 Standard Test Method for Spread of Flame of Roof Class "A" 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. <u>DNV</u> 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 <u>RUSTGRIP</u> ® 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