

RUSTGRIP® (NON SLIP) 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 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
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 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. 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)

6. 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

7. 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 usage.

DNV Certified

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

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

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

11. [ABS Coast Guard Approval](#)



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



Pull tests rated equal to 1100 psi.

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

Approved
Product

14. **VTEC Laboratories INC**



[Thermal analysis](#)

15. [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

16. **USDA** (United States Department of Agriculture)



- | | |
|---|--|
| - Letter of Authorization from USDA Product Safety Branch | <u>USDA</u>
<u>Approved</u> |
| - Letter of Written Certification as Accepted by USDA from Manufacturer | Approved |
| - Environmentally safe and safe for use around animals | Passed |

17. **CFIA** Canadian Food Inspection Agency

Accepted construction material	Passed
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18. 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