

IMO A.653(16) TESTING
FOR
SUPERIOR PRODUCTS INTERNATIONAL II
ON
RUST GRIP COATING
VTEC #100-1944-1
TESTED: APRIL 20, 2004



VTEC Laboratories Inc.

April 20, 2004

Client: Superior Products International II
10835 W. 78th Street
Shawnee Mission, KS 66214

Attention: Mr. J.E. Pritchett

Scope: This report contains the reference to the test method, preparation and conditioning of sample, observation of material, test and post test observation data test results.

Test Method: This test was conducted in accordance with IMO A.653(16) specification.

This standard should be used to measure and describe the properties of materials, products, or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products, or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use.

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SUPERIOR PRODUCTS INTERNATIONAL II

IMO A.653(16) FLAME SPREAD DATA

PRODUCT: Superior Products International II Rust-Grip coating applied to 11 gauge steel plates at 6 wet mils, dry thickness average 2.5 mils.

VTEC # 100-1944-1
COLOR: Silver/Gray
AL FOIL ? Yes
DATE: 4/20/2004

SOURCE: SUPERIOR PRODUCTS INTERNATIONAL II

DIMENSIONS: 155 mm X 800 mm

SPECIMEN

THICKNESS: 3.25 mm Overall (2.4 mils Dry Rust Grip Coating)


OBSERVATIONS: No ignition after 10 minutes. Coating discolored and bubbled away from steel but did not combust.

| TIME TO: | 150 mm. | 200 mm. | 250 mm. | 300 mm. | 350 mm. | 400 mm. |
|----------|---------|---------|---------|---------|---------|---------|
| Sample # | sec. | sec. | sec. | sec. | sec. | sec. |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |

| | SAMPLE 1 | SAMPLE 2 | SAMPLE 3 | AVERAGE |
|--|----------|----------|----------|---------|
| Nonimpinging Pilot flame used? | YES | YES | YES | |
| Test Duration (min.) | 10.00 | 10.00 | 10.00 | 10.00 |
| Heat of Ignition (MJ/m ²) | 0.00 | 0.00 | 0.00 | 0.00 |
| Heat of Sustained Burning at (MJ/m ²): | | | | |
| 150 mm | 0.00 | 0.00 | 0.00 | 0.00 |
| 200 mm | 0.00 | 0.00 | 0.00 | 0.00 |
| 250 mm | 0.00 | 0.00 | 0.00 | 0.00 |
| 300 mm | 0.00 | 0.00 | 0.00 | 0.00 |
| 350 mm | 0.00 | 0.00 | 0.00 | 0.00 |
| 400 mm | 0.00 | 0.00 | 0.00 | 0.00 |
| Sample Average: | 0.00 | 0.00 | 0.00 | 0.00 |
| Time of Extinguishment (min.) | 0.00 | 0.00 | 0.00 | 0.00 |
| Distance burned (mm) | 0 | 0 | 0 | 0 |
| Critical Flux at Extinguishment (kW/m ²) | #N/A | #N/A | #N/A | #N/A |
| Total Heat Release (MJ) | 0.61 | 0.51 | 0.55 | 0.56 |
| Peak Heat Release (kW) | 1.76 | 1.81 | 1.85 | 1.81 |
| Heat for Sustained Burning (MJ/m ²) | 0.00 | 0.00 | 0.00 | 0.00 |

CONCLUSIONS: The specimens provided met all requirements per IMO Resolution A.653(16) for bulkhead, wall and ceiling linings, and floor coverings.


 Neil Schultz
 Executive Director


 Amirudin Rahim
 Technical Director