# NAVSEA REVIEWED ASTM F-718

# **International Paint LLC**

# Intershield 259, Polyurethane Elastomer

# **PRODUCT DESIGNATIONS**

PRA250/251	
MIL-PRF-24667	

If this product is to be applied as part of a coating system, all components of the system must be as listed on the QPL.

This NAVSEA-REVIEWED ASTM F-718 data sheet is the only data sheet approved for use when utilizing this coating for U.S. Navy preservation projects. NAVSEA's review covers only the application process for the material. The review does not denote the material as a qualified product, nor does it constitute an approval for purchase/procurement of the material. For products on the Qualified Products List (QPL) for this MILSPEC, please refer to <a href="http://gpldocs.dla.mil/search/default.aspx">http://gpldocs.dla.mil/search/default.aspx</a>.

Questions regarding modifications or updates of this ASTM F-718 shall be directed toward:

NSWCPD

NSWCPD ASTM F718.fct@navy.mil

INFORMATION IS INTENDED TO BE USED SOLELY AS A GUIDELINE.
IF ANY QUERIES ARISE, REFERENCE SHOULD BE MADE TO THE SPECIFICATION FOR ANY PARTICULAR JOB WHICH IS BEING CARRIED OUT, OR NAVSEA 05M SHOULD BE CONTACTED.

# PAINTS AND COATINGS

SHIPBUILDERS AND MARINE

#### PRODUCT/PROCEDURE DATA SHEET NO:

I. GENERIC TYPE AND DESCRIPTION: Intershield 259, Polyurethane Elastomer Membrane

Specification No. (If Applicable): MIL-PRF-24667

## II. MANUFACTURERS DATA:

(a) MANUFACTURER: International Paint LLC

(c) COLOR: Fed. Std. 595-#26270

(e) TECHNICAL SERVICE REPRESENTATIVE: (800) 525-6824

(b) PRODUCT DESIGNATION: PRA250/251

(d) USES: Elastomer for decking systems

(f) NOT RECOMMENDED FOR: Immersion service

**ASTM F 718** 

## III. PROPERTIES:

(a) % VOLUME SOLIDS (ASTM D2697): 94±2%

(c) WEIGHT/GALLON (FTMA141a4184.1): 12.31 lbs/gal

(e) VISCOSITY (FTMA141a4281):150 - 250 poise spindle #4 @ 10 rpm

(g) NUMBER OF COMPONENTS: 2

(i) REGULATORY DATA: VOC: 63 g/l

(i) STORAGE REQUIREMENTS: TEMP. MIN.40°F

(f) PACKAGING: Pt. A – 3.38 gals in 5 gal can

(d) SHELF LIFE: 12 months

Pt. B – 0.70 gals in 1 gal can

(b) FLASH POINT (ASTM D93): 185°F Mixed

(h) GLOSS (ASTM D253): N/A

MAX. 100°F 24 hrs prior to mixing: MIN 70°F MAX 80°F

# SPECIAL SAFETY PRECAUTIONS:

## REFER TO MATERIAL SAFETY DATA SHEET

#### IV. SURFACE PREPARATION MINIMUM REQUIREMENTS:

- (a) INITIAL Remove all surface contaminants by "Solvent Cleaning" (SSPC-SP1).
- (b) TOUCH-UP N/A
- (c) PROFILE (include method used) N/A
- (d) SPECIAL INSTRUCTIONS Surface to be coated must be dry and clean.
- (e) PRIMER REQUIREMENTS (if applicable) Approved anticorrosive system. Consult International.

## Intershield 259 Membrane

#### V. MIXING PROCEDURE:

- (a) MIXING RATIO BY WEIGHT 100 gm. PRA250 : 22 gm. PRA251 BY VOLUME - 4.83 pt. PRA250: 1.0 pt. PRA251
- (b) INDUCTION TIME N/A
- (c) RECOMMENDED SOLVENT THINNING:

CONFINED AREAS – Not recommended NON-CONFINED AREAS – Not recommended - CLEAN UP - GTA056

- (d) THINNING REQUIREMENTS (RATIO) Not usually recommended
- (e) POT LIFE 40 min @ 50°F(10°C) / 30 min @ 77°F(25°C) / 20 min @ 95°F(35°C)
- (f) SPECIAL INSTRUCTIONS -

#### VI. APPLICATION:

(a) ENVIRONMENTAL LIMITATIONS - Deck Temp: MIN 40°F MAX 110°F (Nonskid)

Ambient Air Temp: MIN 55°F MAX 100°F

% RELATIVE HUMIDITY: MIN. 20% MAX. 85%

- (b) FILM THICKNESS (SSPC PA2-73T) Spread Rate: 25 35 sq. ft./gal
- (c) DRY TIMES (ASTM D1650) RECOAT MIN. 12 hours @ 50°F (10°C) @ 50% R.H.

MIN. 8 hours @ 77°F (25°C) @ 50% R.H.

MIN. 6 hours @ 95°F (35°C) @ 50% R.H.

\*\* MAX. 24 hours @ 77°F (25°C) @ 50% R.H.

TO HANDLE MIN. 28 hours @ 50°F (10°C) @ 50% R.H.

MIN. 24 hours @ 77°F (25°C) @ 50% R.H.

MIN. 18 hours @ 95°F (35°C) @ 50% R.H.

IMMERSION MIN.N/A hours @ °F ( °C) @ % R.H.

MIN.N/A hours @ °F ( °C) @ % R.H.

MIN.N/A hours @ °F ( °C) @ % R.H.

- (d) EQUIPMENT REQUIREMENTS (INCLUDE PREFERRED, SUITABLE AND NOT SUITABLE REQUIREMENTS). Roller preferred, brush or trowel acceptable.
- (e) SPECIAL INSTRUCTIONS -

#### ENSURE THAT SUBSTRATE TEMPERATURE IS AT LEAST 5°F ABOVE DEW POINT PRIOR TO APPLICATION.

DRY TIMES ARE NORMALLY A FUNCTION OF HUMIDITY, VENTILATION AND TEMPERATURE AND NFORMATION GIVEN IS TO BE USED AS A GUIDELINE ONLY.

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