
NAVSEA REVIEWED ASTM F-718

International Paint, LLC

Intershield 259

MIL-PRF-24613

MIL-PRF-3135

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 <https://assist.daps.dla.mil/quicksearch/>.

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

NST Center

(502) 638-4400

F718Admin@nstcenter.com

ASTM F 718

SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

 CONTINUATION SHEET USED: ☒ YES ☐ NO

Date: 01/2009 Rev. A1

I. GENERIC TYPE AND DESCRIPTION: Polyurethane Elastomer Membrane

 Specification Number, Type, Class and/or Grade (If Applicable): MIL-PRF-24613
MIL-PRF-3135

II. MANUFACTURERS DATA:

(a) MANUFACTURER: International Paint LLC

 (b) PRODUCT DESIGNATION: Intershield 259
Part A: PRA250
Part B: PRA251

(c) COLOR(S): FSC 595-26270 – Gray

(d) USES: Elastomer for decking systems.

 (e) TECHNICAL SERVICE REPRESENTATIVE
(Include Telephone Nos.): (800) 525-6824
Technical Information Fax: (713) 684-1511

(f) NOT RECOMMENDED FOR: Immersion service.

III. PROPERTIES:

(a) % VOLUME SOLIDS (ASTM D 2697): 94 ± 2%

(b) % WEIGHT SOLIDS (ASTM D1475): 96 ± 2%

(c) FLASH POINT (ASTM TEST METHOD D 93 OR D 56 OR D 3278): 185°F MIXED

(d) WEIGHT PER VOLUME: (FTMS 141a4184.1): 11.98 lbs/gal

(e) % EDGE RETENTION (IF REQUIRED BY APPLICABLE SPECIFICATION): N/A

(f) SHELF LIFE: 12 months

 (g) VISCOSITY (Brookfield Viscometer):
COMPONENT A: 60 – 350 Poise spindle #5 @ 10 rpm
COMPONENT B: 150 – 285 Poise spindle #5 @ 10 rpm
MIXED: 150 – 250 Poise spindle #4 @ 10rpm

 (h) PACKAGING: Part A: 3.38 gallons in a 5 gallon container
Part B: 0.70 gallons in a 1 gallon container

(i) NUMBER OF COMPONENTS: 2

(j) GLOSS (ASTM D 523): 40-60 @ 60 degrees

(k) STORAGE REQUIREMENTS: TEMP. MIN. 40°F MAX. 100°F

ADDITIONAL PAINT STORAGE REQUIREMENTS: N/A

(l) VOLATILE ORGANIC COMPOUND (EPA TEST METHOD 24): 63 g/L

 (m) WEIGHT OF DRY FILM (WEIGHT/FT² AT 1 MIL THICKNESS): 0.00764 pounds

(n) SPECIAL PROPERTIES (e.g., STAIN RESISTANCE, LOW SOLAR ABSORBANCE, MOISTURE TOLERANCE): N/A

IV. SURFACE PREPARATION MINIMUM REQUIREMENTS (USE SPECIFIC STANDARD NUMBERS):

(a) INITIAL – Remove all surface contaminants by ‘Solvent Cleaning’ (SSPC-SP 1).

(b) TOUCH-UP – N/A

(c) PROFILE (INCLUDE METHOD USED) - MIN. N/A MAX. N/A

(d) SPECIAL INSTRUCTIONS – Surface to be coated must be dry and clean.

(e) PRIMER REQUIREMENTS (IF APPLICABLE): Intergard 264 or Intergard 264 LTC

(f) MAXIMUM ALLOWABLE CONDUCTIVITY (BRESLE PATCH METHOD): Refer to NAVSEA Standard Item 009-32

(g) MAXIMUM DEGREE OF FLASH RUSTING ALLOWABLE (LIST COMMERCIAL STANDARD): NONE.

SPECIAL SAFETY PRECAUTIONS:
REFER TO MATERIAL SAFETY DATA SHEET

V. MIXING PROCEDURES:

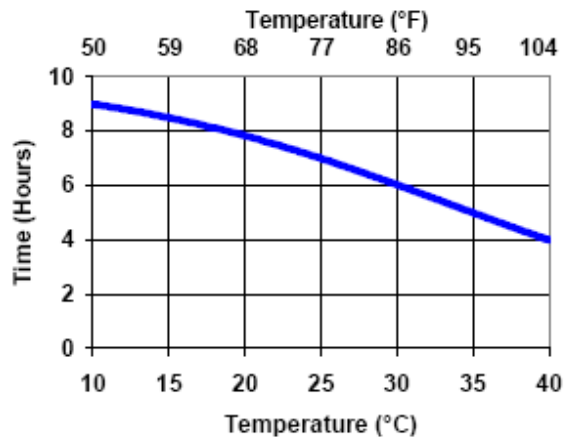
- (a) MIXING RATIOS BY WEIGHT – 100::22.5 (A:B)
BY VOLUME – 4.83:1 (A:B)
- (b) INDUCTION TIME – N/A
- (c) RECOMMENDED SOLVENT – THINNING – NO THINNING ALLOWED
CONFINED AREAS - NO THINNING ALLOWED
NON-CONFINED AREAS - NO THINNING ALLOWED
CLEAN UP – GTA056
- (d) THINNING REQUIREMENTS (RATIO) – NO THINNING ALLOWED
- (e) POT LIFE - 40 Min(s) @ 50°F
 30 Min(s) @ 77°F
 20 Min(s) @ 95°F
- (f) SPECIAL INSTRUCTIONS – Mix both parts completely.

VI. APPLICATION:

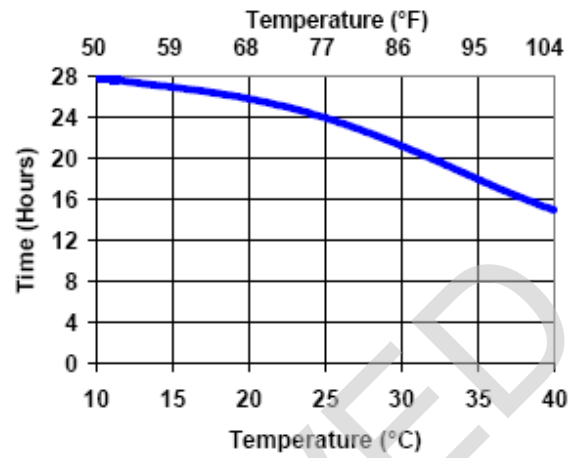
- (a) ENVIRONMENTAL LIMITATIONS -
- SUBSTRATE TEMPERATURE: MIN. 40°F MAX. 95°F
- MINIMUM SUBSTRATE TEMPERATURE DIFFERENCE ABOVE THE DEW POINT - 5°F
- RELATIVE HUMIDITY: Refer to NAVSEA Standard Item 009-32
- AMBIENT TEMPERATURE: MIN. 41°F MAX. 120°F
- (b) FILM THICKNESS (SSPC-PA 2):
- PER COAT:
- WET MIN. 85 mils WET MAX. 266 mils
- DRY MIN. 80 mils DRY MAX. 250 mils
- TOTAL SYSTEM:
- DRY MIN. 92 mils DRY MAX. 275 mils
- (c) DRY TIMES (ASTM D 1640) – PLEASE REFER TO GRAPHS ON THE FOLLOWING PAGE.
- (d) EQUIPMENT REQUIREMENTS (INCLUDE PREFERRED, SUITABLE, NOT SUITABLE REQUIREMENTS) – Trowel preferred. Brush or roller acceptable.
- IF PLURAL COMPONENT EQUIPMENT IS REQUIRED, STATE SO – N/A
- IF HEATED LINES ARE REQUIRED, STATE SO – N/A
- (e) SPECIAL INSTRUCTIONS – Ensure material is mixed until uniform.

REPAIR PROCEDURES IF THE OVERCOAT WINDOW HAS BEEN EXCEEDED: Consult International Paint.

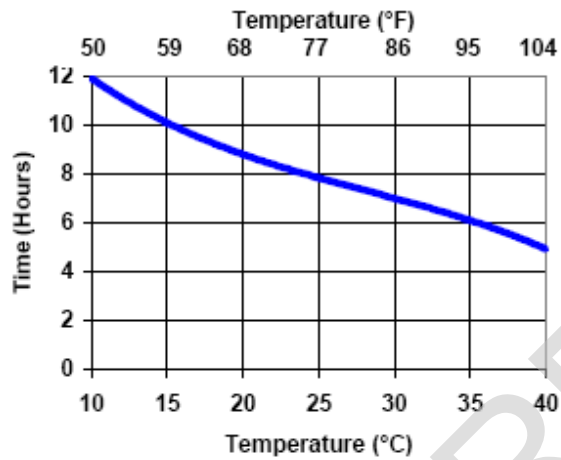
Intershield 259: Touch Dry



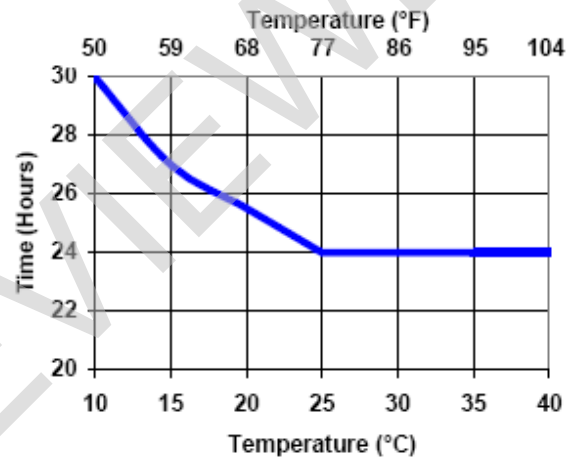
Intershield 259: Hard Dry



Intershield 259: Minimum Overcoating



Intershield 259: Maximum Overcoating



ASTM F 718 CONTINUATION SHEET FOR

SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

Date 01/2009 Rev. A1

I. GENERIC TYPE AND DESCRIPTION: Polyurethane Elastomer Membrane
Specification Number (If Applicable): MIL-PRF-24613
MIL-PRF-3135

ADDITIONAL DATA/ INSTRUCTIONS:

II. MANUFACTURERS DATA:

ADD ADDITIONAL COMMENTS FROM PART II HERE N/A

III. PROPERTIES:

ADD ADDITIONAL COMMENTS FROM PART III HERE N/A

IV. SURFACE PREPARATION MINIMUM REQUIREMENTS (USE SPECIFIC STANDARD NUMBERS):

ADD ADDITIONAL COMMENTS FROM PART IV HERE N/A

V. MIXING PROCEDURES

ADD ADDITIONAL COMMENTS FROM PART V HERE N/A

VI. APPLICATION REQUIREMENTS

ADD ADDITIONAL COMMENTS FROM PART VI HERE Dry times are normally a function of humidity, ventilation, and temperature. Information given is to be used as a guideline only.

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