
NAVSEA REVIEWED ASTM F-718

International Paint, LLC

Interthane 990

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 <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: 10/2010 Rev. A3

I. GENERIC TYPE AND DESCRIPTION: Polyurethane Finish Coat
 Specification Number, Type, Class and/or Grade (If Applicable): MIL-PRF-24667

II. MANUFACTURERS DATA:

(a) MANUFACTURER: International Paint LLC

(b) PRODUCT DESIGNATION: Interthane 990

Part A: PH series; Part B: PHA046

(c) COLOR(S): White, Black and range of colors

Interthane 990 National Stock Numbers:

FS Color #	FS Color	NSN
31136	Red	8010-01-550-6869
3538	Yellow	8010-01-550-6870
36076	Dark Gray	8010-01-550-6872
36270	Haze Gray	8010-01-550-6873
37038	Black	8010-01-550-6875
14062	Green	8010-01-550-6876
37875	White	8010-01-550-6877

(d) USES: Cosmetic Finish Coat

(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): 57% \pm 3%

(b) % WEIGHT SOLIDS (ASTM D1475): NA

(c) FLASH POINT (ASTM TEST METHOD D 93 OR D 56 OR D 3278): 95°F mixed

(d) WEIGHT PER VOLUME: (FTMS 141a4184.1): 9.4 \pm 0.3 lbs mixed

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

(f) SHELF LIFE: Part A: 24 months
Part B: 18 months

(g) VISCOSITY: (Stormer) COMPONENT A: Black 65-75KU White 70-80KU

COMPONENT B: NA

MIXED: NA

(h) PACKAGING: Part A: 4.29 gals in 5 gal can
Part B: .71 gals in 1 gal can

(i) NUMBER OF COMPONENTS: 2

(j) GLOSS (ASTM D 523): NA

(k) STORAGE REQUIREMENTS: TEMP. MIN. 40°F MAX. 95°F

ADDITIONAL PAINT STORAGE REQUIREMENTS: 24 hrs prior to mixing: Min = 70°F Max = 80°F

(l) VOLATILE ORGANIC COMPOUND (EPA TEST METHOD 24): 395 g/L

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

(n) SPECIAL PROPERTIES (e.g., STAIN RESISTANCE, LOW SOLAR ABSORBANCE, MOISTURE TOLERANCE): None

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

(a) INITIAL – Apply over recommended anticorrosive primer or nonskid. Remove all surface contaminants by solvent cleaning to SSPC-SP 1.

(b) TOUCH-UP – Apply over clean dry surface primed with recommended anticorrosive primer.

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

(d) SPECIAL INSTRUCTIONS – Mix paint well prior to use

(e) PRIMER REQUIREMENTS (IF APPLICABLE): Apply over recommended anticorrosive primers or nonskid.

(f) MAXIMUM ALLOWABLE CONDUCTIVITY (BRESLE PATCH METHOD): Please refer to MILSPEC.

(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 – NA
BY VOLUME – 6:1 (A:B)

(b) INDUCTION TIME – Not required

(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 - 26 Hr(s) @ 23°F

24 Hr(s) @ 41°F

2 Hr(s) @ 77°F

1 Hr(s) @ 95°F

(f) SPECIAL INSTRUCTIONS – Material is supplied in 2 containers as a unit. Always mix a complete unit in the proportions supplied.
(1) Agitate Part A with a power agitator.
(2) Combine entire contents of Part B with Part A and mix thoroughly with power agitator.

VI. APPLICATION:

(a) ENVIRONMENTAL LIMITATIONS -

SUBSTRATE TEMPERATURE: MIN. 35°F MAX. 120°F

MINIMUM SUBSTRATE TEMPERATURE DIFFERENCE ABOVE THE DEW POINT - 5°F

RELATIVE HUMIDITY: Refer to NAVSEA Standard Item 009-32

AMBIENT TEMPERATURE: MIN. 35°F MAX. 110°F

(b) FILM THICKNESS (SSPC-PA 2):

PER COAT:

WET MIN. 3.5 mils WET MAX. 5.3 mils

DRY MIN. 2.0 mils DRY MAX. 3.0 mils

TOTAL SYSTEM:

DRY MIN. N/A DRY MAX. N/A (COLOR MARKINGS ONLY, NOT A SYSTEM)

(c) DRY TIMES (ASTM D 1640) – Please refer to graphs on the following page.

(d) EQUIPMENT REQUIREMENTS (INCLUDE PREFERRED, SUITABLE, NOT SUITABLE REQUIREMENTS) – Suitable for use with a brush and a roller.

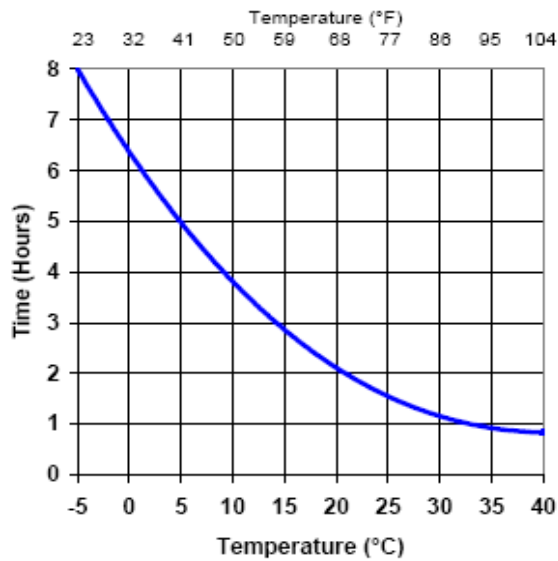
IF PLURAL COMPONENT EQUIPMENT IS REQUIRED, STATE SO – NA

IF HEATED LINES ARE REQUIRED, STATE SO – NA

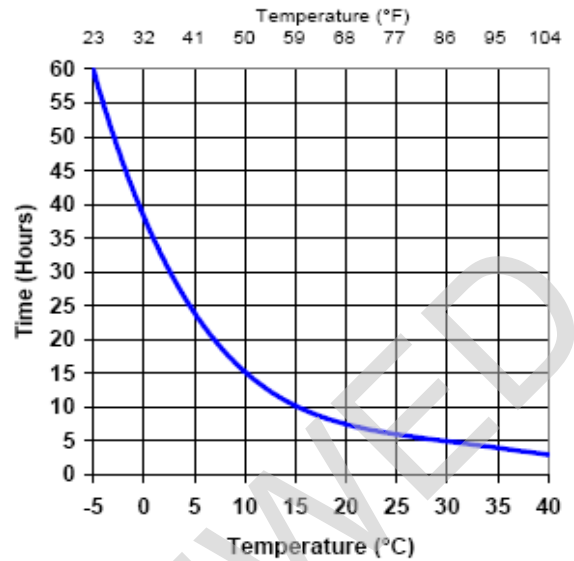
(e) SPECIAL INSTRUCTIONS – Caution should be taken that surface temperature is at least 5°F above dew point.

PROVIDE INFORMATION FOR REPAIR PROCEDURES IF THE OVERCOAT WINDOW HAS BEEN EXCEEDED: Please refer to NAVSEA Standard Item 009-32.

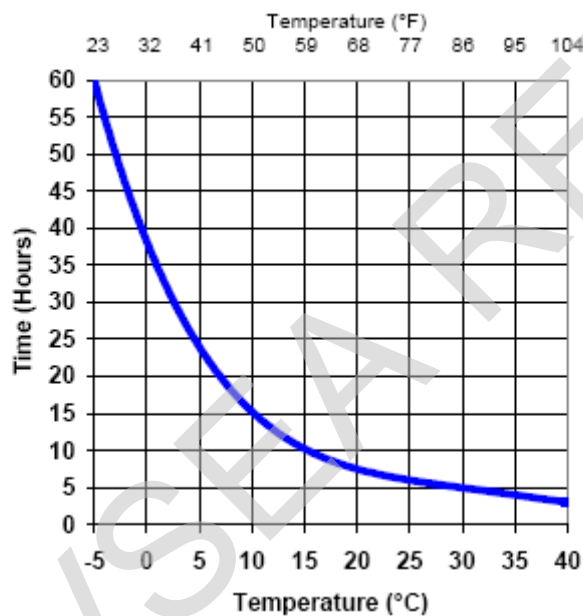
Interthane 990: Touch Dry



Interthane 990: Hard Dry



Interthane 990: Minimum Interval over self



ASTM F 718 CONTINUATION SHEET FOR

SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

Date 10/2010 Rev. A3

I. GENERIC TYPE AND DESCRIPTION: Polyurethane Finish Coat
Specification Number (If Applicable): MIL-PRF-24667

ADDITIONAL DATA/ INSTRUCTIONS:

II. MANUFACTURERS DATA:

ADD ADDITIONAL COMMENTS FROM PART II HERE

III. PROPERTIES:

ADD ADDITIONAL COMMENTS FROM PART III HERE

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

ADD ADDITIONAL COMMENTS FROM PART IV HERE Remove grease, oil, and dirt to SSPC-SP 1 or other approved method.

V. MIXING PROCEDURES

ADD ADDITIONAL COMMENTS FROM PART V HERE

VI. APPLICATION REQUIREMENTS

ADD ADDITIONAL COMMENTS FROM PART VI HERE Interthane 990 is a recoatable polyurethane. There is no maximum time limit to overcoat with self, providing the surface is clean.

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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