NAVSEA REVIEWED ASTM F-718

INTERNATIONAL PAINT LLC

Intershield 7100LWT

PRODUCT DESIGNATIONS

Part A: EGA760 Buff
Part B: EGA764 Curing Agent
Part C: EGA765 Lightweight beads

MIL- PRF-3135H

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:

NSWCCD
(215) 897-7411
nswccd_astm_f718@navy.mil

SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

CONTINUATION SHEET USED: ☐ YES ☐ NO

Date: 9/2015 Rev. A1

I. GENERIC TYPE AND DESCRIPTION: INTERSHIELD 7100LWT Ultra-Lightweight Underlayment
Specification Number: MIL- PRF-3135H
Note: For Type/Grade/Class/Application information see QPL-3135

II. MANUFACTURERS DATA:

(a) MANUFACTURER: International Paint LLC, 6001 Antoine Drive, Houston, TX 77091

(b) PRODUCT DESIGNATION: Part A: EGA760 Buff; Part B: EGA764 Curing Agent; Part C: EGA765 Lightweight beads

(c) COLOR(S): BUFF

(d) USES: Underlayment for internal decks

(e) TECHNICAL SERVICE REPRESENTATIVE
(Include Telephone Numbers): 1-800-525-6824 (or contact your local International Paint representative)

(f) NOT INTENDED FOR USE IN: Potable Water Tank or constant immersion

III. PROPERTIES:

(a) PERCENT VOLUME SOLIDS (ASTM D2697): 100%

(b) PERCENT WEIGHT SOLIDS (ASTM D2369): 100%

(c) FLASH POINT (ASTM D3278): Part A: 199°F; Part B: 181°F; MIXED: 185°F

(d) WEIGHT PER VOLUME (ASTM D1475): 6.74 ± 0.5 lbs/gal Mixed

(e) PERCENT EDGE RETENTION (IF REQUIRED BY APPLICABLE SPECIFICATION – LIST TEST METHOD USED): N/A

(f) SHELF LIFE: 12 months (Part A and Part B)

(g) VISCOSITY (ASTM D2196, Method A): PART A: 20,000 – 30,000 cps @ 77°F

PART B: 300 – 500 cps @ 77°F

PART C: NA (Solid)

MIXED: 12,000 – 15,000 cps @ 77°F

(h) PACKAGING: Part A: 1.53 gallons in a 2 gallon container, Part B: 1 gallon in a 1 gallon container, Part C: 1.47 gallons in a 5 gallon container

(i) NUMBER OF COMPONENTS: 3

(j) GLOSS (ASTM D523): 20-40 @ 60 degrees

(k) STORAGE REQUIREMENTS: TEMPERATURE 50°F MIN. 95°F MAX.

ADDITIONAL PAINT STORAGE REQUIREMENTS: Refer to NAVSEA Standard Item 009-32

(l) VOLATILE ORGANIC COMPOUNDS (VOCS- EPA TEST METHOD 24): 0 g/lt, 0 lbs/gal

(m) WEIGHT PER AREA OF DRY FILM AT 1 MIL THICKNESS: 0.00328 lb/sq. ft

(n) SPECIAL PROPERTIES: Ultra-Lightweight, Self-Leveling, can be applied direct-to-metal.

IV. SURFACE PREPARATION MINIMUM REQUIREMENTS:

(a) INITIAL: Apply over minimum power tool clean SSPC-SP3. At Maintenance & Repair, Intershield 7100LWT may be applied to surfaces prepared to SSPC-SP3

(b) TOUCH-UP: Ensure the area is clean and dry. Power Tool Clean to a minimum of SSPC-SP3

(c) PROFILE (INCLUDE METHOD USED): Profilometer Gauge MIN. 2 MAX. 4

(d) SPECIAL INSTRUCTIONS: Profile: 2-4 mil profile recommended, up to 5 mil profile acceptable. Follow NAVSEA Standard Item 009-32 guidelines.

(e) PRIMER REQUIREMENTS: Not required. If Primer is needed, use Interbond 998 or Intergard 264

(f) MAXIMUM ALLOWABLE CONDUCTIVITY (INCLUDE METHOD USED): Please refer to NAVSEA Standard Item 009-32

(g) MAXIMUM DEGREE OF FLASH RUSTING ALLOWED: N/A

SPECIAL SAFETY PRECAUTIONS:

PLEASE REFER TO MATERIAL SAFETY DATA SHEET

V. MIXING PROCEDURES:

(a) MIXING RATIOS BY WEIGHT: N/A
BY VOLUME: 1.53:1:1.47(A:B:C)

(b) INDUCTION TIME: N/A

(c) RECOMMENDED CLEANING SOLVENT (NO THINNING ALLOWED): GTA415

(d) POT LIFE:

15 Min(s) @ 95ºF
25 Min(s) @ 77ºF
45 Min(s) @ 59°F
60 Min(s) @ 50°F

(e) SPECIAL INSTRUCTIONS: Use intrinsically safe equipment. Use a high torque drill suitable for mixing heavy materials in 5 gallon pails. Before application, add Part A and Part B into Part C and mix thoroughly with a power agitator for 2 minutes by keeping mixing blade immersed in liquid (at bottom portion of the container). Continue mixing until beads are fully and evenly incorporated. Mix for 1 additional minute by moving the mixing blade up and down with a good vortex.

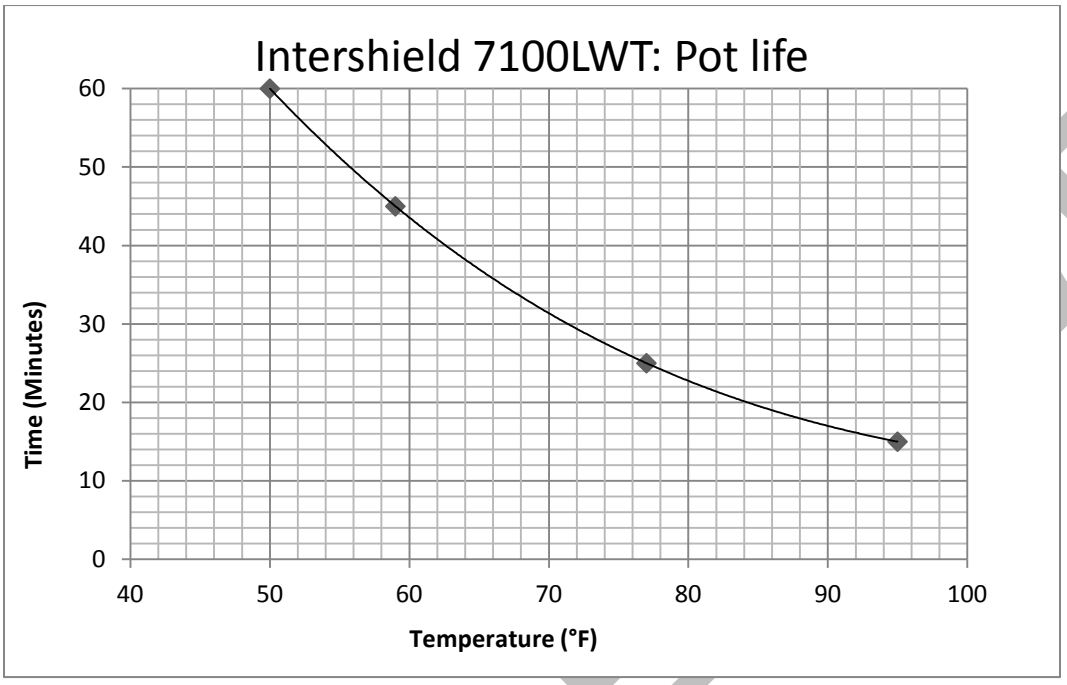
VI. APPLICATION:

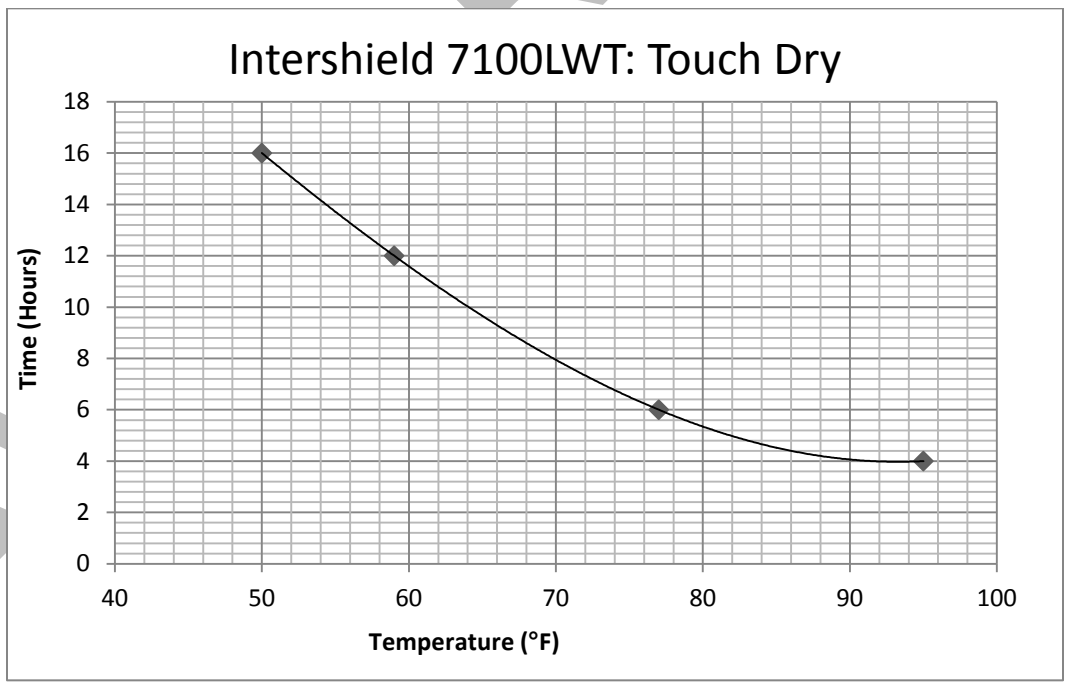
(a) ENVIRONMENTAL LIMITATIONS:

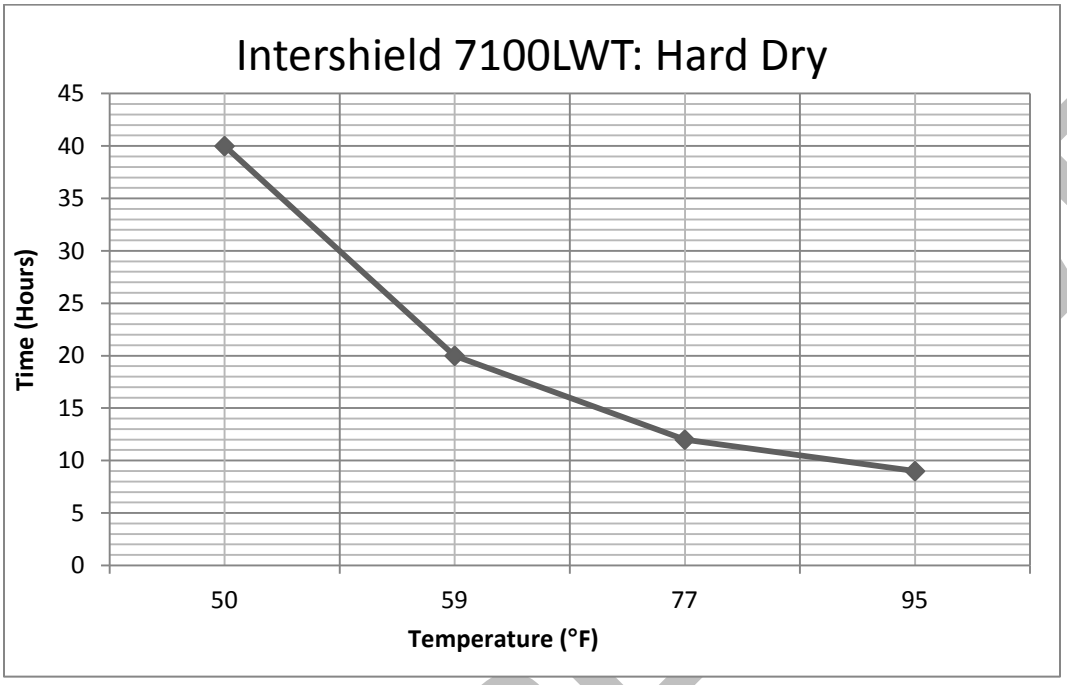
SUBSTRATE TEMPERATURE: 50°F MIN. 95° F MAX.
AMBIENT TEMPERATURE: 50°F MIN. 95° F MAX.
MINIMUM SUBSTRATE TEMPERATURE DIFFERENCE ABOVE THE DEW POINT: 5°F
MAXIMUM PERCENT RELATIVE HUMIDITY: Refer to NAVSEA Standard Item 009-32

(b) FILM THICKNESS (SSPC PA2-73T) - PER COAT:
WET MIN. 50 mils WET MAX. 250 mils
DRY MIN. 50 mils DRY MAX. 250 mils
TOTAL SYSTEM: Total system film thickness depends on the specific application. Refer to NAVSEA STD Item 009-32 or 009-26 for Specific applications

(c) DRY TIMES (ASTM D1640): See below Graphs







(d) EQUIPMENT REQUIREMENTS: Squeegee, notched trowel or straight edge trowel recommended

(e) SPECIAL INSTRUCTIONS: NA

IF OVERCOAT WINDOW HAS BEEN EXCEEDED FOR CRITICAL APPLICATIONS: N/A

ADDITIONAL DATA/INSTRUCTIONS:

II. MANUFACTURERS DATA:

III. PROPERTIES:

IV. SURFACE PREPARATION MINIMUM REQUIREMENTS:

V. MIXING PROCEDURES:

VI. APPLICATION REQUIREMENTS: 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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