

SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

CF-100

CONTINUATION SHEET USED: YES NO

Date: 30 September 2013

I. GENERIC TYPE AND DESCRIPTION: Seamless Polymeric Decking system
Specification Number: MIL-PRF-24613

II. MANUFACTURERS DATA:

- (a) MANUFACTURER: ITW Polymers Sealants North America, 111 S Nursery Road, Irving, TX 75060
- (b) PRODUCT DESIGNATION: American Safety Technologies CF-100
- (c) COLOR(S): Navy Blue, Dark Blue, Desert Beige and Gray
- (d) USES: Interior Seamless Polymeric Decking
- (e) TECHNICAL SERVICE REPRESENTATIVE
Phone: 800-878-7876
Fax: 972-554-3939
Email: orders1@itwsealants.com
Website: www.itwast.com
- (f) NOT RECOMMENDED FOR: N/A

III. PROPERTIES:

- (a) % VOLUME SOLIDS (ASTM D 2697): 100%
- (b) % WEIGHT SOLIDS (ASTM D 1475): 100%
- (c) FLASH POINT (ASTM D93): > 230°F (110°C)
- (d) WEIGHT PER VOLUME (FTMS 141a4184.1): A: 11.7 lbs/gal B: 8.1 lbs/gal
- (e) % EDGE RETENTION: N/A
- (f) SHELF LIFE: 1 Year
- (g) VISCOSITY (FTMS 141a 4281): Blend: 2000-4000 cps
COMPONENT A: 9000-14000 cps
COMPONENT B: 250-400 cps
- (h) PACKAGING: A: One Gallon B: Quart
- (i) NUMBER OF COMPONENTS: 2
- (j) GLOSS (ASTM D 523): N/A
- (k) STORAGE REQUIREMENTS: TEMP. MIN. 50°F MAX. 100°F
- (l) SPECIAL PROPERTIES: N/A

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

- (a) Refer to **NAVSEA Standard Item 009-32**.

SPECIAL SAFETY PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: WARNING! IRRITANT, **Read MSDS before use**. Do not get in eyes. Avoid contact with skin and clothing. Avoid inhalation vapor or mist. Use with adequate ventilation. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing and wash before use.

OTHER PRECAUTIONS: Avoid extreme heat – **keep away from flame, do not exceed 110°F**.

ASTM F 718

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V. MIXING PROCEDURES: (Improperly mixed material will not cure properly)

- (a) MIXING RATIOS BY WEIGHT: 3.4:1
BY VOLUME: 2.4:1
- (b) INDUCTION TIME: N/A
- (c) RECOMMENDED SOLVENT – THINNING: None
 CONFINED AREAS: N/A
 NON-CONFINED AREAS: N/A
 CLEAN UP: Isopropyl Alcohol/Aromatic Naptha/
 N-Methyl Amyl Ketone (MAK)/S-426 Solvent/ S-31 Solvent
- (d) THINNING REQUIRMENTS (RATIO): NO THINNING ALLOWED
- (e) POT LIFE:

<u>25 Mins</u> @	<u>90 °F</u> (32°C)
<u>50 Mins</u> @	<u>70 °F</u> (21°C)
<u>80 Mins</u> @	<u>50 °F</u> (10°C)
- (f) SPECIAL INSTRUCTIONS:

VI. APPLICATION: **NOTE: Environmental conditions must be taken into consideration when determining curing time of epoxy coatings. Cooler temperatures extend curing times, warmer temperatures shorten curing times.**

- (a) ENVIRONMENTAL LIMITATIONS:

TEMPERATURE: MIN. <u>50°F</u> MAX. <u>90°F</u>
MAXIMUM PERCENT RELATIVE HUMIDITY: <u>Refer to NAVSEA Standard Item 009-32</u>
- (b) FILM THICKNESS (SSPC PA2-73T) -

WET MIN: <u>10 mils</u>	WET MAX: <u>50 mils</u>
DRY MIN: <u>N/A</u>	DRY MAX: <u>N/A</u>
- (c) DRY TIMES (ASTM D 1650):Recoat

Temperature	50°F (10°C)	70°F (21.1°C)	90°F (32.2°C)
Min @ 50% R.H	20 hrs	10 hrs	5 hrs
Dry to Handle			
Min @ 50% R.H	48 hrs	24 hrs	16 hrs
- (d) EQUIPMENT REQUIREMENTS (INCLUDE PREFERRED, SUITABLE, NOT SUITABLE REQUIREMENTS): Short nap roller.
- (e) SPECIAL INSTRUCTIONS: Caution should be taken that the surface temperature is at least 5°F above dew point prior to application.

NOTE: Is formulated to be applied within parameters listed on this document MIL-PRF-24613, QPL applications may adjust the environmental and application procedures recommended by this ASTM F-718.

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