

SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

EU-100

CONTINUATION SHEET USED: YES NO

Date: 30 September 2013

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| <p>I. GENERIC TYPE AND DESCRIPTION: Epoxy Underlayment Specification Number: MIL-PRF-3135</p> |
| <p>II. MANUFACTURERS DATA:</p> <p>(a) MANUFACTURER: ITW Polymers Sealants North America, 111 S Nursery Road, Irving, TX 75060</p> <p>(b) PRODUCT DESIGNATION: American Safety Technologies EU-100</p> <p>(c) COLOR(S): Clear Liquids</p> <p>(d) USES: Level Decking Prior to Seamless Polymeric Decorative Flooring or Terrazzo</p> <p>(e) TECHNICAL SERVICE REPRESENTATIVE Phone: 800-878-7876 Fax: 972-554-3939 Email: orders1@itwsealants.com Website: www.itwast.com</p> <p>(f) NOT RECOMMENDED FOR: N/A</p> |
| <p>III. PROPERTIES:</p> <p>(a) % VOLUME SOLIDS (ASTM D 2697): 100%</p> <p>(b) % WEIGHT SOLIDS (ASTM D 1475): 100%</p> <p>(c) FLASH POINT (ASTM D93): > 240°F (115°C)</p> <p>(d) WEIGHT PER VOLUME (FTMS 141a4184.1): A: 9.48 lbs/gal B: 8.5 lbs/gal C: 50.0 lbs/gal</p> <p>(e) % EDGE RETENTION: N/A</p> <p>(f) SHELF LIFE: 1 Year</p> <p>(g) VISCOSITY (FTMS 141a 4281): COMPONENT A: 500-700 cps COMPONENT B: 500-700 cps</p> <p>(h) PACKAGING: A: One Gallon B: Quart C: 50 lb. bag</p> <p>(i) NUMBER OF COMPONENTS: 3</p> <p>(j) GLOSS (ASTM D 523): N/A</p> <p>(k) STORAGE REQUIREMENTS: TEMP. MIN. <u>50°F</u> MAX. <u>90°F</u></p> <p>(l) SPECIAL PROPERTIES: N/A</p> |
| <p>IV. SURFACE PREPARATION MINIMUM REQUIREMENTS (USE SPECIFIC STANDARD NUMBERS):</p> <p>(a) Refer to NAVSEA Standard Item 009-32.</p> |
| <p style="text-align: center;">SPECIAL SAFETY PRECAUTIONS:</p> <p>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.</p> <p>OTHER PRECAUTIONS: Avoid extreme heat – keep away from flame, Do not exceed 110°F.</p> |
| <p>V. MIXING PROCEDURES: (Improperly mixed material will not cure properly)</p> |

ASTM F 718

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(a) MIXING RATIOS BY WEIGHT: 4.86:1
 BY VOLUME: 4.34:1

(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

(d) THINNING REQUIRMENTS (RATIO): NO THINNING ALLOWED

(e) POT LIFE:

| | | |
|--|--------------------|---------------------|
| | <u>0.3</u> Hr(s) @ | <u>90</u> °F (32°C) |
| | <u>1</u> Hr(s) @ | <u>70</u> °F (21°C) |
| | <u>2</u> Hr(s) @ | <u>50</u> °F (10°C) |

(f) SPECIAL INSTRUCTIONS: Pre-mix Part A, base component, to ensure all materials which may have settled during storage are lifted from the bottom. Mix Part A and Part B components together, for min: 2 minutes, add aggregate and mix thoroughly for 5 minutes.

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. 50°F MAX. 90°F
 MAXIMUM PERCENT RELATIVE HUMIDITY: Refer to NAVSEA Standard Item 009-32

(b) FILM THICKNESS (SSPC PA2-73T) - PER COAT:

| | |
|--------------------------|------------------------|
| WET MIN: <u>1/8 inch</u> | WET MAX: <u>1 inch</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 | 12 hrs | 6 hrs | 4 hrs |
| Dry to Handle | | | |
| Min @ 50% R.H | 36 hrs | 12 hrs | 8 hrs |

(d) EQUIPMENT REQUIREMENTS (INCLUDE PREFERRED, SUITABLE, NOT SUITABLE REQUIREMENTS): Use a heavy duty mixer and mixing blade suitable for blending heavy, mastic materials. Apply with a flay mason's trowel.

(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-3135 QPL applications may adjust the environmental and application procedures recommended by this ASTM F-718.

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