PAINTS AND COATINGS **EU-100**
PRODUCT / PROCEDURE DATA SHEET NO.

Last Updated :	02-23-05

I. GENERIC TYPE AND DESCRIPTION: Epoxy Underlayment
Specification Number (If Applicable): MIL-D-3135

II. MANUFACTURERS DATA:

(a) MANUFACTURER:
ITW American Safety Technologies

(b) PRODUCT DESIGNATION:
EU-100

(c) COLOR(S):
Neutral / Colorless

(d) USES:
Deck Leveling Prior to AST Polymeric Interior Decking Material Applications

(e) TECHNICAL SERVICE REPRESENTATIVE:
(Include Telephone No.): 800-631-7841/Fax: 973-403-1108
E-mail: info@americansafetytech.com

(f) NOT RECOMMENDED FOR:

III. PROPERTIES:

(a) % VOL. SOLIDS (ASTM D2697): 100%

(b) FLASH POINT (ASTM D93): 240°F
OR (ASTM D56):

(c) WT. PER GAL. (FTMS 141_a 4184.1): A: 9.48 lbs./gal.
B: 8.5 lbs./gal.
C: 50 lbs./bag.

(d) SHELF LIFE: 1 Year

(e) VISCOSITY (FTMS 141_a 4281): A: 500-700cps
B: 500-700cps

(f) PACKAGING: A: one gallon
B: quart
C: 50 Lb Bag

(g) NUMBER OF COMPONENTS: 3

(h) GLOSS (ASTM D523):

(i) STORAGE REQUIREMENTS: Prior to Mixing and Application - TEMP. MIN. 50°F MAX. 90°F

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 or other ignition source.. Do not exceed 110°F in storage area.

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

(a) INITIAL - Remove grease, oil, and dirt (SSPC-SP1) or other approved method followed by grit or shot blasting.

(b). TOUCH-UP – For deck edges, hard to reach areas and for areas inaccessible to UHP water jetting or grit blasting, use power tool cleaning to bare metal, SSPC-SP11 is recommended.

(c) PROFILE: - Abrasive Blasting MIN. SSPC-10/NACE 2 MAX. SSPC-5/NACE 1
UHP Water Jetting NACE5/SSPC SP12/ WJ-2/NV-2
NOTE: Cleaning via UHP-WJ does not create an anchor tooth profile. The substrate may require abrasive blasting in order to produce an acceptable minimum or specified anchor tooth profile prior to application of primer.

(d) **SPECIAL INSTRUCTIONS** - Substrate Anchor Tooth Profile: A minimum of 2 mils anchor tooth profile is required. An anchor tooth profile depth greater than 7 mils is not recommended.

(e) PRIMER REQUIREMENTS (IF APPLICABLE): ITW American Safety Technologies MS-7C/MS-7CZ Primer should be applied between 2-3 mils minimum DFT, above the averaged anchor tooth profile.
To promote proper adhesion of underlayment, the substrate must first be primed with BC-100 Bond Coat.

For interior decking products applied over MS-7C/MS-7CZ Primer: if the surface has become contaminated, ensure the area is clean prior to over coating. A tack coat is not normally required provided the next step in the proprietary system is not delayed more than 7 days at 70°F (21°C). After 7 days, the primed surface must be mechanically abraded or brush blasted prior to application of a tack coat.

V. MIXING PROCEDURE: **NOTE: Incorrectly mixed material will not cure properly.**

(a) MIXING RATIO BY WEIGHT - 4.86:1 Base to Hardener
BY VOLUME - 4.34:1

(b) INDUCTION TIME - None

(c) RECOMMENDED SOLVENT - THINNING - None
CONFINED AREAS - N/A
NON CONFINED AREAS - N/A
CLEAN UP -
1) Propylene Glycol Ether
2) Aromatic Naphtha
3) Soap and Water

(d) THINNING REQUIREMENTS (RATIO) - N/A

(e) POT LIFE -

0.3 Hrs@	90 °F	(32°C)
1 Hrs@	70 ° F	(21°C)
2 Hrs@	50 °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 2-3 minutes, add aggregate and mix thoroughly for 5 min**utes.

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:

TEMP. MIN. 50°F- (10°C) MAX. 90°F - (32°C)
% RELATIVE HUMIDITY MIN. 0% MAX. 85%

(b) AVERAGE FILM THICKNESS (SSPC PA2-73T)
WET MIN. 1/8 inches WET MAX. 1/4 inches
DRY MIN. 1/8 inches DRY MAX. 1/4 inches

(c) DRY TIMES (ASTM D1650) -

RECOAT
MIN. 4 Hrs @ 90°F (32°C) @ 50 % R.H.
MIN. 6 Hrs @ 70°F (21°C) @ 50 % R.H.
MIN. 12 Hrs @ 50°F (10°C) @ 50 % R.H.

MAX. ____ Hrs @ _____°F (____°C)

TO HANDLE
MIN. 8 Hrs @ 90°F (32°C) @ 50 % R.H.
MIN. 12 Hrs @ 70°F (21°C) @ 50 % R.H.
MIN. 36 Hrs @ 50°F (10°C) @ 50 % R.H.

FOR IMMERSION
MIN. _____ Hrs @ ____°F (____°C) @ ____ % R.H.
MIN. _____ Hrs @ ____°F (____°C) @ ____ % R.H.
MIN. _____ Hrs @ ____°F (____°C) @ ____ % R.H.

MAX. ____ Hrs @ ____°F (____°C)

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

(e) SPECIAL INSTRUCTIONS - CAUTION SHOULD BE TAKEN THAT SURFACE TEMPERATURE IS AT LEAST 5°F ABOVE DEW POINT PRIOR TO APPLICATION.

(f) Prior to applying EU-100, apply BC-100 Bond Coat to the MS-7C/MS-7CZ primer according to ITW America Safety Technologies technical data sheets.

(g) Pre-mix EU-100 parts A&B first for 2-3 minutes add aggregate and mix for 5 minutes.

(h) During application ensure that EU-100 is graded or sloped properly to allow for drainage.