

SHIPBUILDERS AND MARINE – ASTM – F718

PAINTS AND COATINGS

MS-400GLT

PRODUCT / PROCEDURE DATA SHEET NO. _____

Date: 07-26-02

Rev. 4

I. GENERIC TYPE AND DESCRIPTION: Epoxy - Polyamide Non-Skid Deck Coating
 Specification Number (If Applicable): MIL-PRF-24667A, Type I, Composition G - FAST CURING

II. MANUFACTURERS DATA:

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|---|---|
| (a) MANUFACTURER:
ITW American Safety Technologies | (b) PRODUCT DESIGNATION:
MS-400GLT |
| (c) COLOR(S):
36076, Dark Gray | (d) USES:
Non-Skid Deck Coating |
| (e) TECHNICAL SERVICE REPRESENTATIVE:
(Include Telephone No.):
(800) 631-7841 - Technical Dept. | (f) NOT RECOMMENDED FOR:
Landing Areas |

III. PROPERTIES:

- | | |
|---|---|
| (a) % VOL. SOLIDS (ASTM D2697): 86 ± 1% | (b) FLASH POINT(ASTM D93):>102°F (39C)
OR (ASTM D56): >102°F (39C) |
| (c) WT. PER GAL. (FTMS 141 _a 4184.1): 18.7 ± .2 lbs. | (d) SHELF LIFE: 1 Year |
| (e) VISCOSITY (FTMS 141 _a 4281):40000-46000cps 75F(f)
(Thixotropic) | (f) PACKAGING: 6½ gal. pails |
| (g) NUMBER OF COMPONENTS: 2 | (h) GLOSS (ASTM D523): N/A |
| (i) STORAGE REQUIREMENTS:
24 hrs. prior to mixing
(Colder temperatures will extend cure time) | TEMP. MIN. <u>40°F</u> MAX. <u>100°F</u> (Long Term)
TEMP. 60°F 80°F |

SPECIAL SAFETY PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: WARNING! IRRITANT. 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.

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

- (a) INITIAL - Remove grease, oil, and dirt (SSPC-SP1), followed by grit blasting.
- (b) TOUCH-UP - In hard to reach areas, use power tool chipping, sanding, descaling and grinding (SSPC-SP11).
- (c) PROFILE (INCLUDE METHOD USED) - MIN. SSPC-10/NACE 2 MAX. SSPC-5/NACE 1
 White to near White blast cleaning. WATER JETTING – Cleaning – NACE/SSPC WJ-2/SC-2
- (d) SPECIAL INSTRUCTIONS - Minimum 2 mil anchor profile. Recommend between 3-4.5 mils anchor profile.
- (e) PRIMER REQUIREMENTS (IF APPLICABLE): MS-7C LT should be applied minimum 2-3 mils, DFT, above anchor profile. Regular MS-7C or MS-10C may be used depending upon temperature.

V. MIXING PROCEDURE:

- (a) MIXING RATIO BY WEIGHT - 15.4 : 1 (Base to hardener)
 BY VOLUME - 6.5 : 1 (Base to Hardener)
- (b) INDUCTION TIME - None
- (c) RECOMMENDED SOLVENT - THINNING - Not Authorized
 CONFINED AREAS - N/A
 NON CONFINED AREAS - N/A
- CLEAN UP - 1) Propylene Glycol Ether
 2) Aromatic Naphtha
 3) N-Methyl Amyl Ketone (MAK)
- (d) THINNING REQUIREMENTS (RATIO) - Not Applicable
- (e) POT LIFE - 15 Min @ 90 F (32C)
45 Min @ 70 F (21C)
1.5 Hrs @ 50 F (10C)
3 Hrs @ 35 F (2C)
- (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 with a mechanical/power mixer for a minimum of 3 to 5 minutes or until the mixed material assumes a uniform color and appearance.

VI. APPLICATION:

- (a) ENVIRONMENTAL LIMITATIONS:
 TEMP. MIN. 35°F MAX. 100°F (Long Term)
 % RELATIVE HUMIDITY MIN. 0% MAX. 85%F
- (b) FILM THICKNESS (SSPC PA2-73T) WET MIN. 53 mils WET MAX. 82 mils
 DRY MIN. 45 mils DRY MAX. 70 mils
- (c) DRY TIMES (ASTM D1650) - RECOAT MIN. N/A Hrs @ 90F (32C) @ 50 % R.H.
 MIN. N/A Hrs @ 70F (21C) @ 50 % R.H.
 MIN. N/A Hrs @ 50F (10C) @ 50 % R.H.
 MAX. Hrs @ F (C)
- TO HANDLE MIN. 12 Hrs @ 70F (21C) @ 50 % R.H.
 MIN. 18 Hrs @ 50F (10C) @ 50 % R.H.
 MIN. 36 Hrs @ 35F (2C) @ 50 % R.H.
- FOR IMMERSION MIN. 24 Hrs @ 70F (21C)
 MIN. 48 Hrs @ 50F (10C)
 MIN. 96 Hrs @ 35F (2C)
- (d) EQUIPMENT REQUIREMENTS (INCLUDE PREFERRED, SUITABLE AND NOT SUITABLE REQUIREMENTS).
 Phenolic hard core roller with extended handle. Adequate power or mechanical mixer.
- (e) SPECIAL INSTRUCTIONS - DO NOT APPLY material when deck temperature is UNDER 35F or over 120F. At time of application MATERIAL TEMPERATURE must be GREATER than 50F and LESS than 80F.

CAUTION SHOULD BE TAKEN THAT SURFACE TEMPERATURE IS AT LEAST 5°F ABOVE DEW POINT. DO NOT APPLY COLOR TOPPING UNTIL NON-SKID IS COMPLETELY CURED.