

SHIPBUILDERS AND MARINE - ASTM - F718

PAINTS AND COATINGS
PRODUCT / PROCEDURE DATA SHEET NO.

ST-100

Last Updated:	06-13-05
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I. GENERIC TYPE AND DESCRIPTION: ST-100 Single Step Trowel Down Terrazzo Flooring
Specification Number (If Applicable): MIL-D-24613 Type 1 class 3

II. MANUFACTURERS DATA:

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|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| (a) MANUFACTURER: ITW American Safety Technologies | (b) PRODUCT DESIGNATION: ST-100
Single Step Terrazzo Flooring |
| (c) COLOR(S): Cloudy Liquids and colored aggregates
I | (d) USES: Interior Decking |
| (e) TECHNICAL SERVICE REPRESENTATIVE:
(Include Telephone No.): (800) 631-7841 - Technical Dept.
info@americansafetytech.com | (f) NOT RECOMMENDED FOR: |

III. PROPERTIES:

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|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| (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: 10.79 lbs./gal.
B: 8.1 lbs./gal.
C: 40.0 lbs. | (d) SHELF LIFE: 1 Year |
| (e) VISCOSITY (FTMS 141 _a 4281): A: 1000-2000 cps
B: 500-900 cps | (f) PACKAGING: A: one gallon
B: quart |
| (g) NUMBER OF COMPONENTS: 2 | (h) GLOSS (ASTM D523): |
| (i) STORAGE REQUIREMENTS: | TEMP. MIN. <u>50°F</u> MAX. <u>90°F</u> |

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.

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 Cleaning via UHP-WJ does not create an anchor tooth profile.

V. MIXING PROCEDURE:

- (a) MIXING RATIO BY WEIGHT - 4.7:1
 BY VOLUME - 3.5:1
- (b) INDUCTION TIME - N/A
- (c) RECOMMENDED SOLVENT - THINNING - None
 CONFINED AREAS - N/A
 NON CONFINED AREAS - N/A
 CLEAN UP -
- (d) THINNING REQUIREMENTS (RATIO) - N/A
- (e) POT LIFE - 0.3 Hrs @ 90 °F (____ °C)
1 Hrs @ 70 °F (____ °C)
2 Hrs @ 50 °F (____ °C)
- (f) SPECIAL INSTRUCTIONS -

VI. APPLICATION:

- (a) ENVIRONMENTAL LIMITATIONS:
 TEMP. MIN. 50°F MAX. 90°F
 % RELATIVE HUMIDITY MIN. 0% MAX. 85%
- (b) FILM THICKNESS (SSPC PA2-73T) WET MIN. 1/16 inches WET MAX. 1/8 inches
 DRY MIN. _____ DRY MAX. _____
- (c) DRY TIMES (ASTM D1650) - RECOAT
 MIN. 6 Hrs @ 90°F (____ °C) @ _____ % R.H.
 MIN. 8 Hrs @ 70°F (____ °C) @ _____ % R.H.
 MIN. 24 Hrs @ 50°F (____ °C) @ _____ % R.H.
 MAX. _____ Hrs @ _____ °F (____ °C)
- TO HANDLE
 MIN. 12 Hrs @ 90°F (____ °C) @ _____ % R.H.
 MIN. 24 Hrs @ 70°F (____ °C) @ _____ % R.H.
 MIN. 36 Hrs @ 50°F (____ °C) @ _____ % R.H.
- FOR IMMERSION
 MIN. 24 Hrs @ 90°F (____ °C) @ _____ % R.H.
 MIN. 48 Hrs @ 70°F (____ °C) @ _____ % R.H.
 MIN. 72 Hrs @ 50°F (____ °C) @ _____ % R.H.
 MAX. _____ Hrs @ _____ °F (____ °C)
- (d) EQUIPMENT REQUIREMENTS (INCLUDE PREFERRED, SUITABLE AND NOT SUITABLE REQUIREMENTS).
- (e) SPECIAL INSTRUCTIONS -

* CAUTION SHOULD BE TAKEN THAT SURFACE TEMPERATURE IS AT LEAST 5°F ABOVE DEW POINT.