

ASTM F 718

SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

CONTINUATION SHEET USED:  YES  NO

Date: 01/20/2010 Rev: 10-02

I. GENERIC TYPE AND DESCRIPTION: **COLORFLAKE VP BASECOAT RESINS**  
**Self-leveling deck covering**  
 Specification Number, Type, Class and/or Grade (If Applicable): **IMO PRIMARY DECK COVERING (USCG Certificate #164.106/32/0)**  
**IMO FLOOR FINISH (USCG Certificate #164.117/22/0)**

II. MANUFACTURERS DATA:  
 (a) MANUFACTURER: **CROSSFIELD PRODUCTS CORP., DEX-O-TEX DIVISION**  
 (b) PRODUCT DESIGNATION: **0393-CF / 0394-CF**  
 (c) COLOR (S): **Assorted**  
 (d) USES: **Durable, decorative, lightweight, easily cleaned surface for crews quarters, mess decks, passageways, toilet spaces and galleys**  
 (e) TECHNICAL SERVICE REPRESENTATIVE  
 (Include Telephone Nos.): **Steven Schroeder, (310) 886-9100 (www.dexotexmarine.com)**  
 (f) NOT RECOMMENDED FOR: **Exterior applications**

III. PROPERTIES:  
 (a) % VOLUME SOLIDS (ASTM D 2697): **> 75%**  
 (b) % WEIGHT SOLIDS (ASTM D 1475): **> 80%**  
 (c): FLASH POINT (ASTM TEST METHOD D 93 OR D 56 OR D 3278): **>212° F (>100° C)**  
 (d): WEIGHT PER VOLUME: (FTMS 141a4184.1): **1.29 lbs/ft<sup>2</sup> @ 1/8 inch**  
 (e) % EDGE RETENTION (IF REQUIRED BY APPLICABLE SPECIFICATION): **N/A**  
 (f): SHELF LIFE: **One year from date of manufacture**  
 (g) VISCOSITY (STATE TEST METHOD TO BE USED: ASTM D445: COMPONENT A: **>1000 cps.**  
 COMPONENT B: **>100 cps.**  
 MIXED: **>250 cps.**  
 (h) PACKAGING: **2.5 gallon kits**  
 (i): NUMBER OF COMPONENTS: **Two**  
 (j) GLOSS (ASTM D 523): **N/A** (NOTE: This is to be a percentage, not "Gloss," "Semi-gloss," etc.)  
 (k) STORAGE REQUIREMENTS: TEMP. MIN. **45° F** MAX. **95° F**  
 ADDITIONAL PAINT STORAGE REQUIREMENTS: **Store away from direct sunlight in a dry environment.**  
 (l) VOLATILE ORGANIC COMPOUND (EPA TEST METHOD 24): **0 g/L**  
 (m) WEIGHT OF DRY FILM (WEIGHT/FT<sup>2</sup> AT 1 MIL THICKNESS): **2.5 g/ft<sup>2</sup>**  
 (n): SPECIAL PROPERTIES (e.g., STAIN RESISTANCE, LOW SOLAR ABSORBANCE, MOISTURE TOLERANCE): **None**

IV. SURFACE PREPARATION MINIMUM REQUIREMENTS (USE SPECIFIC STANDARD NUMBERS):  
 Metal deck surfaces should be cleaned free of rust, loose scale, and dirt. Grease and oil should be removed with approved solvents and clean rags. The resulting surface should be clean and bright and protected against corrosion before Dex-O-Tex materials are applied. Dex-O-Colorflake "M" may be applied to a cured Navy Formula 150 Primer, MIL-P-24441 or to Dex-O-Tex Terrazzo "M" Underlayment installed in accordance with Dex-O-Tex Application Specification S-108M (Marine).  
 (a) INITIAL – **Prepare Steel to SSPC (Society of Protective Coatings) SSPC SP 5 or SP 11 as appropriate**  
 (b) TOUCH-UP - **Remove any unbounded chips, lightly hand sand the surface to remove any protruding chips or irregularities.**  
 (c) PROFILE (INCLUDE METHOD USED): **SP 5 or SP 11 per Society of Protective Coatings (SSPC)**  
 (d) SPECIAL INSTRUCTIONS - **To smooth the deck surface or create slope for drainage, Install Dex-O-Tex Underlayment prior to application of Colorflake VP.**  
 (e) PRIMER REQUIREMENTS (IF APPLICABLE): **TM Bondcoat**  
 (f) MAXIMUM ALLOWABLE CONDUCTIVITY (BRESLE PATCH METHOD): **Refer to NAVSEA Standard Item 009-32**  
 (g) MAXIMUM DEGREE OF FLASH RUSTING ALLOWABLE (LIST COMMERCIAL STANDARD): **N/A**

SPECIAL SAFETY PRECAUTIONS:  
**See MSDS**

V. MIXING PROCEDURES:

- (a) MIXING RATIOS BY WEIGHT – **10 parts B-component : 1 parts A-component**  
BY VOLUME - **6 parts B-component : 1 parts A-component**
- (b) INDUCTION TIME – N/A
- (c) RECOMMENDED SOLVENT – THINNING – NO THINNING ALLOWED  
  CONFINED AREAS - NO THINNING ALLOWED  
  NON-CONFINED AREAS - NO THINNING ALLOWED  
CLEAN UP – **Soapy, lukewarm water, acetone, or isopropanol.**
- (d) THINNING REQUIREMENTS (RATIO) – NO THINNING ALLOWED
- (e) POT LIFE - **30 minutes @ 23°C**
- (f) SPECIAL INSTRUCTIONS – **None**

VI. APPLICATION:

- (a) ENVIRONMENTAL LIMITATIONS -
- SUBSTRATE TEMPERATURE: MIN. **45° F**  MAX. **95° F**
- MINIMUM SUBSTRATE TEMPERATURE DIFFERENCE ABOVE THE DEW POINT: **+5° F**
- RELATIVE HUMIDITY: **Refer to NAVSEA Standard Item 009-32**
- AMBIENT TEMPERATURE: MIN. **40° F**  MAX. **99° F**
- (b) FILM THICKNESS (SSPC-PA 2):
- PER COAT:
- WET MIN. **125 mils**  WET MAX. **250 mils**
- DRY MIN. **100 mils**  DRY MAX. **200 mils**
- TOTAL SYSTEM:
- DRY MIN. **125 mils**  DRY MAX. **250 mils**
- (c) DRY TIMES (ASTM D 1640) – 24 hours
- PROVIDE EITHER A GRAPH OR A CHART PER PARAGRAPH 3.9.1 SHOWING THE FOLLOWING CURE TIMES AT A MINIMUM:

- 1)  DRY TO RECOAT: **14 Hrs @ 65°C**  
                              **10 Hrs @ 75°C**  
                              **8 Hrs @ 85°C**
  
- 2)  DRY TO HANDLE (I.E., TIME UNTIL PERSONNEL CAN WALK ON, INSPECT, TOUCH-UP COAT): **14 Hrs @ 65°C**  
  **10 Hrs @ 75°C**  
  **8 Hrs @ 85°C**
  
- 3)  MAXIMUM RECOAT: **48 Hrs @ 65°F**  
                              **44 Hrs @ 75°F**  
                              **40 Hrs @ 85°F**
  
- 4)  CURE TO FULL SERVICE: **48 Hrs @ 65°F**  
                                  **44 Hrs @ 75°F**  
                                  **40 Hrs @ 85°F**

THE GRAPH OR CHART SHALL HAVE AT A MINIMUM EACH OF THESE TIMES AT THE STATED MINIMUM AND MAXIMUM AMBIENT TEMPERATURES, AND AT LEAST ONE DATA POINT IN BETWEEN (E.G., IF A PRODUCT CAN BE APPLIED AS LOW AS 40 F, AND AS HIGH AS 100 F, THE CHART OR GRAPH MAY HAVE DRY TO RECOAT, DRY TO HANDLE, MAX RECOAT AND CURE TO FULL SERVICE TIMES FOR 40 F, 100 F, AND 70 F. FOR PRODUCTS WHERE HUMIDITY AFFECTS CURE TIMES, ADDITIONAL CHARTS AND/OR GRAPHS WILL BE REQUIRED FOR DIFFERENT AMBIENT RELATIVE HUMIDITY CONDITIONS.

- (d) EQUIPMENT REQUIREMENTS (INCLUDE PREFERRED, SUITABLE, NOT SUITABLE REQUIREMENTS) – **Jiffy mixer or similar impeller-type mixer**
- IF PLURAL COMPONENT EQUIPMENT IS REQUIRED, STATE SO – N/A
- IF HEATED LINES ARE REQUIRED, STATE SO – N/A
- (e) SPECIAL INSTRUCTIONS – N/A

REPAIR PROCEDURES IF THE OVERCOAT WINDOW HAS BEEN EXCEEDED: **Lightly sand and solvent-wipe with xylene, isopropanol, or acetone.**

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Date: 01/20/2010 Rev.: 10-02

ADDITIONAL DATA/ INSTRUCTIONS: **None**

II. MANUFACTURERS DATA:

ADD ADDITIONAL COMMENTS FROM PART II HERE: N/A

III. PROPERTIES:

ADD ADDITIONAL COMMENTS FROM PART III HERE: N/A

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

ADD ADDITIONAL COMMENTS FROM PART IV HERE: N/A

V. MIXING PROCEDURES

ADD ADDITIONAL COMMENTS FROM PART V HERE: N/A

VI. APPLICATION REQUIREMENTS

ADD ADDITIONAL COMMENTS FROM PART VI HERE: N/A