NAVSEA REVIEWED ASTM F-718

Crossfields Product Corp – Dex-O-Tex Marine

Terrazzo M (fine) Basecoat Resin & Aggregate (Matrix System) Unit ¹⁄₂

MIL-PRF-24613

If this product is to be applied as part of a coating system, all components of the system must be as listed on the QPL.

This NAVSEA-REVIEWED ASTM F-718 data sheet is the only data sheet approved for use when utilizing this coating for U.S. Navy preservation projects. NAVSEA's review covers only the application process for the material. The review does not denote the material as a qualified product, nor does it constitute an approval for purchase/procurement of the material. For products on the Qualified Products List (QPL) for this MILSPEC, please refer to http://assist.daps.dla.mil/quicksearch/.

Questions regarding modifications or updates of this ASTM F-718 shall be directed toward:

NST Center (502) 638-4400 F718Admin@nstcenter.com

ASTM F 718



SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

CONTINUATION SHEET USED: YES X NO

	Date: 08/16/2009 Rev.09-02
I. GENERIC TYPE AND DESCRIPTION: Interior Deck Covering Epoxy Resin with Colored Quartz Aggregate	
Specification Number, Type, Class and/or Grade (If Applicable): MIL-PRF-24613	
II. MANUFACTURERS DATA: (a) MANUFACTURER: Crossfield Products Corp. Dex-O-Tex Marine Product Line	$\langle \rangle$
(b) PRODUCT DESIGNATION: TERRAZZO M (FINE) BASECOAT RESIN & AGGREGATE (Matrix System) Unit ½ 528 – Terrazzo M (Fine) Basecoat Resin ½ Unit Component C 529 – Terrazzo M (Fine) Basecoat Resin ½ Unit Component D 545 – Terrazzo M (Fine) Aggregates	
(c) COLOR(S): Clear, Straw to Pale Yellow	
(d) USES: CLEAR BASECOAT	
(e) TECHNICAL SERVICE REPRESENTATIVE (Include Telephone Nos.): Steven Schroeder 310-886-9100	
(f) NOT RECOMMENDED FOR: Sealing Polymeric Deck Covering	
III. PROPERTIES: (a) % VOLUME SOLIDS (ASTM D 2697): 88.0%	
(b) % WEIGHT SOLIDS (ASTM D 1475): 90.0%	
(c): FLASH POINT (ASTM TEST METHOD D 93 OR D 56 OR D 3278): 45°C (114°F)	
(d): WEIGHT PER VOLUME: (FTMS 141a4184.1): 1.25 lbs/ft ² @ 1/16"thickness	
(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: Terrazzo M (Fine) Basecoat Resin Component C - ½ gallon Terrazzo M (Fine) Basecoat Resin Component D – 1 pint Terrazzo M (Fine) Aggregates - 50 lb bag	
(i): NUMBER OF COMPONENTS: Three (3)	
(j) GLOSS (ASTM D 523): N/A	
(k) STORAGE REQUIREMENTS: TEMP. MIN. $60^{\circ}F$ MAX. $80^{\circ}F$	
ADDITIONAL PAINT STORAGE REQUIREMENTS: Dry area, not in direct sunlight.	
(I) VOLATILE ORGANIC COMPOUND (EPA TEST METHOD 24): 74 g/L for mixed components	
(m) WEIGHT OF DRY FILM (WEIGHT/FT ² AT 1 MIL THICKNESS): 0.005 lbs	
(n): SPECIAL PROPERTIES (e.g., STAIN RESISTANCE, LOW SOLAR ABSORBANCE, MOISTURE TOLERANCE): None	
IV. SURFACE PREPARATION MINIMUM REQUIREMENTS (USE SPECIFIC STANDARD NUMBERS): After overnight drying period the Terrazzo M Bondcoat may, due to the atmospheric conditions, still be slightly tacky. This tacky condition does not prohibit M (Fine) Basecoat.	t the application of the Terrazzo
(a) INITIAL – Clean and solvent-wipe (acetone, xylene, or isopropanol).	
(b) TOUCH-UP – Lightly sand and solvent-wipe with acetone, isopropanol, or xylene.	
(c) PROFILE (INCLUDE METHOD USED) – N/A	
(d) SPECIAL INSTRUCTIONS - None	
(e) PRIMER REQUIREMENTS (IF APPLICABLE): Terrazzo M 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	
NST Center ID#: 1189 NAVSE	A Reviewed 28 OCT 2009

SPECIAL SAFETY PRECAUTIONS:				
Use good ventilation, avoid breathing vapors and use a fan to circulate fresh air. Always obtain, read & observe Manufacturer's Material Safety Data Sheet before handling polymeric resin materials.				
V. MIXING PROCEDURES:				
	 5 parts Component C : 1 part Component D 4.8 parts Component C : 1 part Component D Aggregates: N/A 			
(b) INDUCTION TIME - N/A				
(c) RECOMMENDED SOLVENT -	THINNING – NO THINNING ALLLOWED CONFINED AREAS - NO THINNIN NON-CONFINED AREAS - NO TH CLEAN UP – Xylene or Acetone			
(d) THINNING REQUIREMENTS (RATIO) – NO THINNING ALLOWED			
(e) POT LIFE - 25 minutes at ambient temperature of 70°F to 75°F (21°C TO 24°C)				
(f) SPECIAL INSTRUCTIONS – MIXING: Pour contents of Basecoat can D into can C. Blend thoroughly with a Jiffy Blade until the mix is homogeneous. Terrazzo M (Fine) Basecoat has a pot life of approximately 25 minutes.				
VI. APPLICATION: (a) ENVIRONMENTAL LIMITATI	ONS -			
SUBSTRATE TEMPERATURE: MIN. <u>60°F</u> MAX. <u>80°F</u>				
MINIMUM SUBSTRATE TEMPERATURE DIFFERENCE ABOVE THE DEW POINT - $5^{\circ}F$				
MAXIMUM PERCENT RELATIVE HUMIDITY: 90%				
AMBIENT TEMPERATURE: MIN. <u>50°F</u> MAX. <u>95°F</u>				
(b) FILM THICKNESS (SSPC-PA 2):				
PER COAT: WET MIN.: <u>5 mils</u> WET MAX.: <u>6 mils</u>				
DRY MIN.: <u>4.5 mils</u> DRY MAX.: <u>5.4 mils</u>				
TOTAL SYSTEM: MIN: 62.5 mils MAX: 125 mils				
(c) DRY TIMES (ASTM D 1640) – Dry-to-touch in 12 hours. Underlayment can be applied when TM Bondcoat is tacky (3 - 6 hours after initial application).				
1) DRY TO RECOAT –	14 Hrs @ 65°F 10 Hrs @ 75°F 8 Hrs @ 85°F			
2) DRY TO HANDLE (I.E., TIM	IE UNTIL PERSONNEL CAN WALK ON, INSPE	CT, TOUCH-UP COAT) –	14 Hrs @ 65°F 10 Hrs @ 75°F 8 Hrs @ 85°F	
3) MAXIMUM RECOAT –	48 Hrs @ 65°F 44 Hrs @ 75°F 40 Hrs @ 85°F			
4) CURE TO FULL SERVICE –	52 Hrs @ 65°F 48 Hrs @ 75°F 44 Hrs @ 85°F			
(d) EQUIPMENT REQUIREMENTS	S (INCLUDE PREFERRED, SUITABLE, NOT SUI	ITABLE REQUIREMENTS) -	Jiffy Blade (small size) and Short Nap Roller.	
IF PLURAL COMPONENT EQUIPMENT IS REQUIRED, STATE SO - N/A				
IF HEATED LINES ARE REQUIRED, STATE SO - N/A				
(e) SPECIAL INSTRUCTIONS – Spread the blended Terrazzo M (Fine) Basecoat materials evenly and fairly liberally over the entire surface using a short nap roller. This material will flow out in approximately 5 to 7 minutes, filling any minor voids or depressions. The Basecoat surface must be uniform, wet and free of ridges. A unit of Terrazzo M (Fine) Basecoat will cover approximately 50 square feet.				
REPAIR PROCEDURES IF THE O	VERCOAT WINDOW HAS BEEN EXCEEDED:	Prep in accordance with SSPC Xylene or Acetone.	-SP 1 & SSPC-SP 2. Lightly sand and solvent wipe with	