
NAVSEA REVIEWED ASTM F-718

Crossfield Products Corp.

Terrazzo M Bondcoat Unit 1

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 <https://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



I. GENERIC TYPE AND DESCRIPTION: Epoxy Bondcoat (1 gallon)
 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
- (b) PRODUCT DESIGNATION: 0565 – Terrazzo M Bondcoat Component A
0566 – Terrazzo M Bondcoat Component B
- (c) COLOR(S): CLEAR, straw to pale yellow
- (d) USES: CLEAR BONDCOAT
- (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/ft² at 1/16"
- (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: 1 Unit – Supplied as a unit in two separate containers (A & B)
- (i) NUMBER OF COMPONENTS: Two (2)
- (j) GLOSS (ASTM D 523): N/A
- (k) STORAGE REQUIREMENTS: TEMP. MIN. 60°F MAX. 80°F
ADDITIONAL PAINT STORAGE REQUIREMENTS: Dry Area, Not in Direct Sunlight.
- (l) VOLATILE ORGANIC COMPOUND (EPA TEST METHOD 24): 74 g/L for mixed components
- (m) WEIGHT OF DRY FILM (WEIGHT/FT² AT 1 MIL THICKNESS): 0.005 lbs
- (n) SPECIAL PROPERTIES (e.g., STAIN RESISTANCE, LOW SOLAR ABSORBANCE, MOISTURE TOLERANCE): Moisture Absorption: 1.4%

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

Metal decks surface 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. Terrazzo M may be applied to a cured Navy Formula 150 Primer, MIL-DTL-24441.

- (a) INITIAL – Clean and solvent wipe with 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

