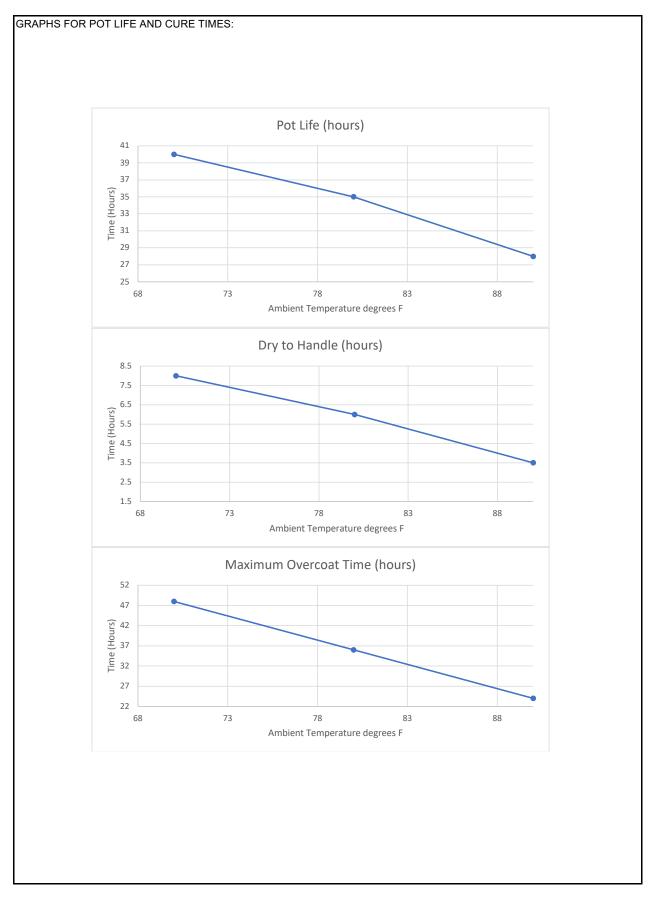
L GEI	NERIC TYPE AND DESCRIPTION: BIO-DEK™ Epoxy Color Coat Date: 08/25/2020				
Specification Number: MIL-PRF-32584					
NOTE: For Type/Grade/Class/Application information see QPD-Type V, Class 1&2, Grade A, Composition E					
II. MANUFACTURERS DATA: (a) MANUFACTURER: BIO-DEK LLC, 2827 Andrew Ave., Pascagoula, MS 39567					
(b)	PRODUCT DESIGNATION: BIO-DEK™ Epoxy Color Coat				
(c)	COLOR(S): various				
(d)	USES: Color coat used as part of the BIO-DEK [™] Decorative Color Flake System				
(e)	TECHNICAL SERVICE REPRESENTATIVE: Murray DuBourdieu 714 975-0898				
	OPERTIES: PERCENT VOLUME SOLIDS (ASTM D2697): 100 %				
(b)	PERCENT WEIGHT SOLIDS (ASTM D2369): 100 %				
(c)	FLASH POINT (Click here to enter text):				
	Part A (Resin): >302 °F (>150 °C)				
	Part B (Hardener): >302 °F (150 °C)				
(d)	WEIGHT PER VOLUME (ASTM D1475):				
	Part A (Resin) 9.2-9.4 lb/gal (1102-1125 g/L)				
	Part B (Hardener) 8.3 lb/gal (994 g/L)				
(e)	PERCENT EDGE RETENTION, IF REQUIRED BY APPLICABLE SPECIFICATION (N/A): Click here to enter text %				
(f)	SHELF LIFE: 24 Months				
(g)	VISCOSITY (Click here to enter text):				
	Part A (Resin) : 600-1000 cp @ 70 °C (21 °F)				
	Part B (Hardener) : 250 cp @ 70 °C (21 °F)				
(h)	PACKAGING: resin in gallon can, hardener in quart can, 2 full kits provided in a box				
(i)	NUMBER OF COMPONENTS: 2				
(j)	GLOSS (ASTM D523): 60-80 @ 60degrees GU				
(k)	STORAGE REQUIREMENTS: TEMPERATURE: 50 °F (10 °C) MIN. 90 °F (32 °C) MAX.				
	ADDITIONAL PAINT STORAGE REQUIREMENTS: do not open prior to use				
(I)	VOLATILE ORGANIC COMPOUNDS (VOCS- EPA TEST METHOD 24): <.04 lb/gal (<5 g/L)				
(m)	WEIGHT PER AREA OF DRY FILM AT 1 MIL THICKNESS: .00560057 lb/sq. ft. (27.35-27.83 g/m²)				
(n)	SPECIAL PROPERTIES:Click here to enter text				

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IV. SURFACE PREPARATION MINIMUM REQUIREMENTS: (a) INITIAL CLEANLINESS: clean, dry and free of lose particulate.						
(u) (b)						
(c)						
(d)						
(e)						
(C) (f)						
(1)	Refer to NAVSEA Standard item 009-32					
(g)	(g) MAXIMUM DEGREE OF FLASH RUSTING ALLOWED: Surface shall be cleaned to a matte finish with at least 95% of the surface area free of all previously existing visible residues and the remaining 5% containing only randomly dispersed stains of rust, coatings, and foreign matter					
	SPECIAL SAFETY PRECAUTIONS: refer to MSDS					
V. MIX	V. MIXING PROCEDURES					
(a)	(a) MIXING RATIOS BY WEIGHT: 2.4:1 resin:hardner BY VOLUME: 2.2:1 resin:hardner					
(b)	INDUCTION TIME: N/A Minutes					
(c)	c) RECOMMENDED CLEANING SOLVENT (NO THINNING ALLOWED): alcohol, acetone, xylene					
(d)	(d) POT LIFE:Click here to enter text					
.67	Hours @ 70 °F (21 °C)					
	Graphs included on page: 4					
(e)	(e) SPECIAL INSTRUCTIONS: Click here to enter text					
	 VI. APPLICATION: (a) ENVIRONMENTAL LIMITATIONS: SUBSTRATE TEMPERATURE: 50°F (10°C) MIN. 90°F (32°C) MAX. AMBIENT TEMPERATURE: 50°F (10°C) MIN. 90°F (32°C) MAX. DIFFERENCE ABOVE THE DEW POINT: 5 °F (3 °C) MAXIMUM PERCENT RELATIVE HUMIDITY: 90 % 					
(b)	FILM THICKNESS (SSPC PA2-73T): PER COAT: 4 mils WET MIN. 100 mils WET MAX. 4 mils DRY MIN. 100 mils DRY MAX. TOTAL SYSTEM:					

		4 mils DRY MIN. 100 mils DRY MAX.				
(c)	DRY TIMES (ASTM D1640):					
	Minimum Overcoat Window:					
		4 Hours @ 90 °F(32°C) 6 Hours @ 80 °F(27°C) 8 Hours @ 70 °F(21°C)				
	Maximum Overcoat Window:					
		24 Hours @ 90 °F (32°C) 36 Hours @ 80 °F (27°C) 48 Hours @ 70 °F (21°C)				
	Dry to Handle:					
		4 Hours @ 90 °F (32°C) 6 Hours @ 80 °F (27°C) 8 Hours @ 70 °F (21°C)				
	Dry to Service:					
		2 Days @ 90 °F (32°C) 3 Days @ 80 °F (27°C) 4 Days @ 70 °F (21°C)				
	Graphs included on page Click	k here to enter text or additional information included on page Click here to enter text				
(d)						
(e)	SPECIAL INSTRUCTIONS: C	lick here to enter text				
	IF OVERCOAT WINDOW HAS BEEN EXCEEDED FOR CRITICAL APPLICATIONS: If critical window has been exceeded, surface should be sanded to a minimum 1-3 mil profile before applying next step					
	IF OVERCOAT WINDOW HAS BEEN EXCEEDED FOR NON-CRITICAL APPLICATIONS: If critical window has been exceeded, surface should be sanded a minimum 1-3 mil profile before applying next step					



SHIPBUILDERS AND MARINE PAINTS AND COATINGS PRODUCT/PROCEDURE DATA SHEET

ADDITIONAL DATA/INSTRUCTIONS:

I. GENERIC TYPE AND DESCRIPTION: 100% solids, low odor colored epoxy material designed to provide a vibrant, consistent epoxy coating for floors

II. MANUFACTURERS DATA: Click here to enter text

III. PROPERTIES: Click here to enter text

IV. SURFACE PREPARATION MINIMUM REQUIREMENTS: 1-3 mil. Surface profile. Surface must be clean, dry and free from flaking particulate

V. MIXING PROCEDURES: mix part A resin with Jiffy blade on low speed for 30-60 seconds then blend in part B and mix until homogeneous (1-2 minutes)

VI. APPLICATION: apply by brush or roller or squeegie