

C&B PIPING, INC. P.O. Box 942 Leeds, AL 35094 (205) 699-0455

www.cbpiping.com

C&B Piping Coating Submittal

Exterior Coating:	Pota-Pox® Plus Series L140F-1211 Epoxy shop coating
Manufacturer:	Tnemec
Surface Prep:	Remove oil, grease, and other surface contaminants per NAPF 500-03-01 Abrasive blast clean per NAPF 500-03-04 for pipe, NAPF 500-03-05 for cast fittings
Thickness:	3-5 mils Nominal DFT

Notes:

- C&B Piping applies this coating per the Tnemec recommendations attached on the PDS.
- The shop coating provides some temporary protection during loading, transit, unloading, jobsite handling, and jobsite storage. After shipment from C&B, the shop coat will be subsequently affected by a combination of physical and environmental conditions outside of our control. If products are properly handled and stored on the jobsite, our shop coat may meet the standards to be used as the system primer as long as the application of subsequent field applied coatings are to be performed within 30 days of receipt of products. All subsequent field applied coatings must strictly follow the recommendation of the coatings manufacturer.
- The applicability of the shop coat to be subsequently used as the primer for a paint system, and the extent of testing and surface prep required at that time, is to be determined by the contractor or field paint subcontractor applying the paint system. Please refer to the PDS attached for maximum recoat window based on conditions.
- If the shop coating is not desired, it can be ordered as BARE, or fully removed by field coatings contractor per applicable NAPF 500-03 standards at cost by others.

Handling & Storage:

• Careful handling and effective storage are critical in limiting physical and environmental damage to the shop coating. Shop coatings exposed to weather and/or chemical exposure will limit the maximum recoat window and potentially cause adhesion issues.





POTA-POX[®] PLUS SERIES L140F

GENERIC DESCRIPTION	Polyamidoamine Epoxy			
COMMON USAGE		y accelerated version of L140) f uitable for immersion service. T illed, or potable water.		
COLORS	incomplete mixing, miscatalyz	ank White. Note: Epoxies chalk ation or the use of heaters that f curing may cause yellowing to	emit carbon dioxide and carbo	nlight. Lack of ventilation, n monoxide during
SPECIAL QUALIFICATIONS	Certified by NSF Internation : NSF/ANSI/CAN 600 . Series I listing at www.nsf.org for addi	al in accordance with NSF/AN L140F is qualified for interior us itional details.	SI/CAN Std. 61 and the extract e on tanks and fittings. Referen	tion requirements of ce Tnemec's certified prod
ATING SYSTEM				
JRFACER/FILLER/PATCHER	Series 215, 217, 218			
PRIMERS	Self-priming, or Series 1, 91-H	₂ O, 94-H ₂ O, N140, N140F, L140	, V140, V140F, 141	
TOPCOATS	Exterior: Series 22, 27, 66, L6 157, 161, 180, 181, 700, V700, topcoating with Series 700, V7 following maximum recoat tim L140F: Immersion Service—Su	L140, L140F, N140, N140F, V140 9, L69F, N69, N69F, V69, V69F, 701, V701, 1026, 1028, 1029, 10 00, 701, or V701, an intermedia les apply; Series 1094, 1095, 14 fface must be scarified after 30 ttact your Tnemec representativ	73, 118, L140, L140F, N140, N1 78, 1078V, 1080, 1081, 1094, 10 te coat of Series 73, 1095, or 10 days. Note: The following recc days. Atmospheric Service—Afi	195, 1096, 1224. Note: Whe 196 is required. Note: The pat times apply for Series per 30 days, scarification or
RFACE PREPARATION				
STEEL	minimum angular anchor prof Non Immersion Service: SSI minimum angular anchor prof performance for this exposure	10/NACE 2 Near White Blast Cl ile of 1.5 mils. ² C SP6/NACE 3 Commercial Bla ile of 1.5 mils. Note: Commerci . If conditions will not permit d er Tool Cleaned surfaces (SSPC	st Cleaning or ISO Sa 2 Thorou al Blast Cleaning generally pro nis, in moderate exposures Seri	gh Blast-Cleaning with a duces the best coating
CAST/DUCTILE IRON	other protective lining on the orbit be removed and uniformly about Surface condition. When view annealing oxide, rust, mold co	iron pipe and fittings shall be exterior surface. All oils, small c rasive blasted using angular abr ed without magnification, the e- vating and other foreign matter. ntain a minimum angular anche	leposits of asphalt paint, grease asive in accordance with NAPF xterior surfaces shall be free of Any area where rust reappears	, and soluble deposits sho 500-03-04: External Pipe all visible dirt, dust, loose before application shall be
C oncrete	with ASTM F 1869 "Standard T Anhydrous Calcium Chloride" hour period), F 2170 "Standarc humidity should not exceed 80 Sheet Method" (no moisture p Preparation Standards and ICR surfaces to remove laitance, cu	ete to cure a minimum of 28 da Cest Method for Measuring Mois (moisture vapor transmission sl I Test Method for Determining 10%), or D 4263 "Standard Test M resent). Prepare concrete surfac Technical Guidelines. Abrasiv tring compounds, hardeners, se voids and other surface imperf	Ture Vapor Emission Rate of Co nould not exceed three pounds Relative Humidity in Concrete v Aethod for Indicating Moisture es in accordance with NACE N e blast, shot blast, water jet or alers and other contaminants a	ncrete Subfloor Using per 1,000 square feet in a- using in situ Probes" (relati in Concrete by the Plastic o. 6/SSPC SP13 Joint Surfac mechanically abracle concr nd to provide an ICRI CSP
PAINTED SURFACES		x your Tnemec representative fo	or specific recommendations	
PRIMED SURFACES	Immersion Service: Scarify the	he Series L140F prime coat surfa prime coat has been in exterior	ace by abrasive-blasting with a	
ALL SURFACES		oil, grease and other contamination	ants.	
HNICAL DATA				
VOLUME SOLIDS RECOMMENDED DFT		rons) per coat. Note: Reference e: Number of coats and thickne r your Tnemec representative.		
JRING TIME AT 5 MILS DFT	Temperature	To Handle	To Recoat	Immersion
	75°F (24°C)	4 hours	5 hours	7 days
	65°F (18°C)	7-8 hours	9-11 hours	8 days
	55°F (13°C)	12-14 hours	16-20 hours	9-10 days
	45°F (7°C)	18-22 hours	28-32 hours	12-13 days
	35°F (2°C)	28-32 hours	46-50 hours	16-18 days
		e temperature, air movement, h ate ventilation during application		

PRODUCT DATA SHEET

POTA-POX® PLUS | SERIES L140F

VOLATILE ORGANIC COMPOUNDS

Unthinned: 0.75 lbs/gallon (90 grams/litre) (TBAc exempt) Unthinned: 1.02 lbs/gallon (122 grams/litre) Thinned 5% (No. 49 Thinner): 0.75 lbs/gallon (90 grams/litre) (TBAc exempt) Thinned 5% (No. 49 Thinner): 1.01 lbs/gallon (122 grams/litre) † Unthinned: 0.1 lbs/gal solids

1,059 mil sq ft/gal (26.0 m²/L at 25 microns). See APPLICATION for coverage rates. †

Two: Part A (amine) and Part B (epoxy) - One (Part A) to one (Part B) by volume.

HAPS

THEORETICAL COVERAGE NUMBER OF COMPONENTS

PACKAGING

	Part A	Part B	Yield (mixed)
Large Kit	5 gallon pail	5 gallon pail	10 gallons (37.9 L)
Small Kit	1 gallon can	1 gallon can	2 gallons (7.6 L)

NET WEIGHT PER GALLON STORAGE TEMPERATURE

FLASH POINT - SETA

HEALTH & SAFETY

SHELF LIFE

TEMPERATURE RESISTANCE

 14.62 ± 0.25 lbs (6.63 ± 0.11 kg) (mixed) † Minimum 20°F (-7°C) Maximum 110°F (43°C)

Thinned 5% (No. 49 Thinner): 0.1 lbs/gal solids

For optimum application properties, material temperature should be above 60°F (16°C) prior to application.

(Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)

Part A: 24 months; Part B: 12 months at recommended storage temperature.

Part A: 98°F (37°C) Part B: 95°F (35°C)

Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product. **Keep out of the reach of children.**

APPLICATION

COVERAGE RATES			Dry Mils (Micr	rons)	We	t Mils (Microns)	Sq Ft/	Gal (m²/Gal)
	Sugges	ted	- 6.0 (150) -			9.0 (230)	1	76 (16.4)
	Minim	um	2.0 (50)			3.0 (75)	52	29 (49.2)
	Maxim	um	10.0 (255)			15.0 (375)	1	06 (9.8)
	and surface irreg minimum or abo	ularities. Wet film ve maximum reco	ı thickness is roun	nded to the m thicknes	nearest ses may	n recommended fil 0.5 mil or 5 micro adversely affect c e DFT. †	ons. Application of	of coating below
MIXING	pigment remains components. Add are thoroughly m	on the bottom. F l an equal volum ixed. Note: Both	our a measured a e of Part A to Part	umount of H t B while u st be above	Part B in inder agi e 50°F (1	ntents of each con- to a clean contain itation. Continue a 0°C) prior to mixi	er large enough gitation until the	to hold both two component
	affect product's g	loss and perform	ance. Do not use	mixed mat	terial bey	rt A and Part B co yond pot life limits stand 30 minutes a	s. Note: For app	lication to
THINNING	For roller or brus	h application, thi	n up to 5% or 1/4	í pint (190	mL) per	per gallon. No thii gallon. Caution: thinner voids NSI	Series L140F N	SF certification
POT LIFE	2 hours at 50°F (10°C) 1 hour a	ut 75°F (24°C) 3	30 minutes	at 100°F	7 (38°C)		
SPRAY LIFE	30 minutes at 75° Note: Spray appl		d times will adver	sely affect	ability to	o achieve recomm	ended dry film tl	nickness.
SPRAY LIFE PLICATION EQUIPMENT			d times will adver	sely affect	ability to	o achieve recomm	ended dry film tl	nickness.
	Note: Spray appl		d times will advers Air Cap	Air Ho		o achieve recomm Mat'l Hose ID	Atomizing	Γ
	Note: Spray appl Air Spray	ication after liste			ose ID or 3/8"			Pot Pressur
	Note: Spray appl Air Spray Gun DeVilbiss JGA	ication after lister Fluid Tip E	Air Cap	Air Ho 5/16" o (7.9 or 9.	or 3/8" .5 mm)	Mat'l Hose ID 3/8" or 1/2" (9.5 or 12.7	Atomizing Pressure 50-80 psi	Pot Pressur
	Note: Spray appl Air Spray Gun DeVilbiss JGA Low temperature	ication after lister Fluid Tip E	Air Cap 704	Air Ho 5/16" o (7.9 or 9.	or 3/8" .5 mm)	Mat'l Hose ID 3/8" or 1/2" (9.5 or 12.7	Atomizing Pressure 50-80 psi	Pot Pressur
	Note: Spray appl Air Spray Gun DeVilbiss JGA Low temperature Airless Spray	Fluid Tip E s or longer hoses	Air Cap 704 require higher point	Air Ho 5/16" o (7.9 or 9. ot pressure	ose ID or 3/8" .5 mm)	Mat'l Hose ID 3/8" or 1/2" (9.5 or 12.7 mm)	Atomizing Pressure 50-80 psi (3.4-5.5 bar)	Pot Pressur 10-20 psi (0.7-1.4 bar)
	Note: Spray appl Air Spray Gun DeVilbiss JGA Low temperature	Fluid Tip E s or longer hoses fice	Air Cap 704	Air Ho 5/16" o (7.9 or 9) ot pressure ssure	ose ID or 3/8" .5 mm)	Mat'l Hose ID 3/8" or 1/2" (9.5 or 12.7	Atomizing Pressure 50-80 psi (3.4-5.5 bar) Man	Pot Pressur
	Note: Spray appl Air Spray Gun DeVilbiss JGA Low temperature: Airless Spray Tip Ori 0.015"-0. (380-485 m Use appropriate t Roller: Use a 3/8 on rough or porc	Fluid Tip E s or longer hoses fice icrons) tip/atomizing pres s" or 1/2" (9.5 mr ous surfaces.	Air Cap 704 require higher po Atomizing Pree 3500-5100 pr (241-351 bar ssure for equipme n or 12.7 mm) syr	Air Ho 5/16" o (7.9 or 9. ot pressure ssure si c) ent, applica	bse ID or 3/8" .5 mm)	Mat'l Hose ID 3/8" or 1/2" (9.5 or 12.7 mm) Mat'l Hose ID 1/4" or 3/8"	Atomizing Pressure 50-80 psi (3.4-5.5 bar) Man (250 er conditions. onger nap to obt	Pot Pressur 10-20 psi (0.7-1.4 bar) ifold Filter 60 mesh) microns)

PRODUCT DATA SHEET

POTA-POX[®] PLUS | SERIES L140F

CLEANUP

Flush and clean all equipment immediately after use with the recommended thinner or MEK.

† Values may vary with color.

WARRANTY & LIMITATION OF SELLER'S LIABILITY: Themec Company, Inc. warrants only that its coatings represented herein meet the formulation standards of Themec Company, Inc. THE WARRANTY DESCRIBED IN THE ABOVE PARAGRAPH SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIS THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The buyer's sole and exclusive remedy against Themec Company, Inc. shall be for replacement of the product in the event a defective condition of the product should be found to exist and the exclusive remedy shall not have failed its essential purpose as long as Themec is willing to provide comparable replacement product to the buyer. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCLIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, ENVIRONMENTAL INJURIES OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, ENVIRONMENTAL INJURIES OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, ENVIRONMENTAL INJURIES OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL BE AVAILABLE TO THE BUYER. Technical and application information herein is provided for the purpose of establishing a general profile of the coating and proper coating application procedures. Test performance results were obtained in a controlled environment and Themec Company makes no claim that these tests or any other tests, accurately represent all environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection and use of the coating.

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