

HI-BUILD EPOXOLINE[®] SERIES 66

PRODUCT DATA SHEET

GENERIC DESCRIPTION COMMON USAGE	Polyamide Epoxy Industry standard for epoxy coatings for over 40 years. Known for its forgiving application characteristics in adverse and					
COLORS	varied conditions, and for benchmark performance. Refer to Tnemec Color Guide. Note: Epoxies chalk with extended exposure to sunlight and may yellow on aging. Lack					
FINISH	ventilation, incomplete mixing, miscatalyzation or the use of heaters that emit carbon dioxide and carbon mono during application and initial stages of curing may accelerate any potential yellowing. Statin					
DATING SYSTEM						
SURFACER/FILLER/PATCHER Primers	 Series 215, 217, 218 Steel: Self-priming or Series 1, 20, FC20, 37H, L69, L69F, N69, N69F, V69, V69F, 90G-1K97, 90E-92, 90-97, H90-97, 90-98, 91-H₂O, 94-H₂O, 161, 394, V530 Galvanized Steel and Non-Ferrous Metal: Self-priming Concrete: Self-priming, Series 27WB, 201, 1254 CMU: Series 130, 1254 Drywall: 151-1051 for dry interior environments Note: A maximum recoat time may apply depending on the topcoat specified. Refer to the applicable topcoat product sheet for information on product specific maximum recoat times. 					
TOPCOATS	Series 27WB, 30, 46H-413, 66, L69, L69F, N69F, N69F, V69, V69P, 72, 73, 104, 113, 114, 118, 161, 262, 265, 290, 291, 740, 750, 1026, 1028, 1029, 1070, 1070V, 1071, 1071V, 1072, 1072V, 1074, 1074U, 1075, 1075U, 1077, 1078, 1078V, 1094, 1095, 1096, 1224. Note: A maximum recoat time may apply depending on the topcoat specified. Refer to the applicable topcoat product sheet for information on product specific maximum recoat times.					
JRFACE PREPARATION						
STEEL	Immersion Service: SSPC-SP10/NACE 2 Near-White Blast Cleaning or ISO Sa 2 1/2 Very Thorough Blast Cleaning with minimum angular anchor profile of 1.5 mils. Non-Immersion Service: SSPC-SP6/NACE 3 Commercial Blast Cleaning or ISO Sa 2 Thorough Blast Cleaning with a minimum angular anchor profile of 1.5 mils. Note: Commercial Blast Cleaning generally produces the best coating performance for this exposure. If conditions will not permit this, in moderate exposures Series 66 may be applied to					
GALVANIZED STEEL & NON- Ferrous Metal	SSPC-SP2 or SP3 Hand or Power Tool Cleaned surfaces (SSPC Rust Grade Condition C). Surface preparation recommendations will vary depending on substrate and exposure conditions. Consult the latest version of Tnemec Technical Bulletin 10-78 or contact your Tnemec representative or Tnemec Technical Services.					
CAST/DUCTILE IRON	All external surfaces of ductile iron pipe and fittings shall be delivered to the application facility without asphalt or any other protective lining on the exterior surface. All oils, small deposits of asphalt paint, grease, and soluble deposits shoul be removed and uniformly abrasive blasted using angular abrasive in accordance with NAPF 500-03-04: External Pipe Surface condition. When viewed without magnification, the exterior surfaces shall be free of all visible dirt, dust, loose annealing oxide, rust, mold coating and other foreign matter. Any area where rust reappears before application shall be reblasted. The surface shall contain a minimum angular anchor profile of 1.5 mils (38.1 microns) (Reference NACE RP028 or ASTM D 4417, Method C).					
CONCRETE	Allow new cast-in-place concrete to cure a minimum of 28 days at 75°F (24°C). Verify concrete dryness in accordance with ASTM F 1869 "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride" (moisture vapor transmission should not exceed three pounds per 1,000 square feet in a 2-hour period), F 2170 "Standard Test Method for Determining Relative Humidity in Concrete using in situ Probes" (relative humidity should not exceed 80%), or D 4263 "Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method" (no moisture present). Prepare concrete surfaces in accordance with NACE No. 6/SSPC-SP13 Joint Surface Preparation Standards and ICRI Technical Guidelines. Abrasive blast, shot-blast, water jet or mechanically abrade concret surfaces to remove laitance, curing compounds, hardeners, sealers and other contaminants and to provide an ICRI-CSP 2-3 surface profile. Large cracks, voids and other surface imperfections should be filled with a recommended filler or surfacer.					
CMU	Allow mortar to cure for 28 days. Prepare in accordance with SSPC-SP13/NACE 6 to level protrusions and mortar spatter, and remove other contaminants.					
PAINTED SURFACES	Non-Immersion Service: Ask your Tnemec representative for specific recommendations.					
PRIMED SURFACES	Immersion Service: Scarify the Series 66 prime coat surface by abrasive-blasting with a fine abrasive before topcoating if: (a) the Series 66 prime coat has been in exterior exposure for 60 days or longer and Series 66, 46H-413, L69, L69F, N69, N69F, V69, V69F or 161 is the specified topcoat; (b) the Series 66 prime coat has been in exterior exposure for 14 days or longer and Series 104 is the specified topcoat; (c) the Series 66 prime coat has been in exterior exposure for 7 days or longer and Series 262 or 265 is the specified topcoat.					
ALL SURFACES	Must be clean, dry and free of oil, grease and other contaminants.					
CHNICAL DATA						
VOLUME SOLIDS	$56.0 \pm 2.0\%$ (mixed) †					
RECOMMENDED DFT	2.0 to 6.0 mils (50 to 150 microns) per coat. Note: Number of coats and thickness requirements will vary with substrate, application method and exposure. Contact your Tnemec representative.					

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	Temperature	To Touch	To Handle	To Recoat	Immersion				
	90°F (32°C)	1 hours	5-7 hours	6-8 hours	4-5 days				
	80°F (27°C)	1.5 hours	7-9 hours	8-10 hours	6-7 days				
	70°F (21°C)	2 hours	10-12 hours	12-14 hours	7-10 days				
	60°F (16°C)	60°F (16°C) 3 hours		20-24 hours	10-12 days				
	50°F (10°C)	4 hours	24-30 hours	30-36 hours	14-16 days				
	Curing time varies with su Ventilation: When used Reference guidelines cont	as a tank lining or in er	nclosed areas, provide ad		application and cure				
OLATILE ORGANIC COMPOUNDS	Unthinned: 3.02 lbs/gallon (362 grams/litre) Thinned 5%: 3.20 lbs/gallon (384 grams/litre) Thinned 10%: 3.37 lbs/gallon (404 grams/litre) †								
THEORETICAL COVERAGE	898 mil sq ft/gal (22.0 m²/L at 25 microns). See APPLICATION for coverage rates. †								
NUMBER OF COMPONENTS	Two: Part A and Part B								
PACKAGING	5 gallon (18.9L) pails and 1 gallon (3.79L) cans — Order in multiples of 2.								
NET WEIGHT PER GALLON	12.50 ± 0.25 lbs (5.67 ± .11 kg) (mixed) †								
STORAGE TEMPERATURE	Minimum 20°F (-7°C) Maximum 110°F (43°C)								
TEMPERATURE RESISTANCE	(Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)								
SHELF LIFE	Part A: 24 months; Part B: 12 months at recommended storage temperature.								
FLASH POINT - SETA	Part A: 82°F (28°C) Part B: 64°F (18°C)								
HEALTH & SAFETY	Paint products contain ch		ch are considered hazardo		warning and Materia				

MIXING	overspray and sur	ım ım rush applicati face irregular	rities. Ŵet film thickne	or more coa	ats to of	t Mils (Microns) 7.0 (180) 3.5 (90) 10.5 (265) otain recommende	22 45 15	Gal (m²/Gal) 25 (20.9) 50 (41.8) 50 (13.9) Allow for	
MIXING	Minimu Maximu Note: Roller or bi overspray and su coating below mi	ım ım rush applicati face irregular	2.0 (50) 6.0 (150) on may require two of ities. Wet film thickno			3.5 (90) 10.5 (265)	45	50 (41.8) 50 (13.9)	
MIXING	Maximu Note: Roller or br overspray and sur coating below mi	ım rush applicati face irregulaı	6.0 (150) on may require two c ities. Wet film thickne			10.5 (265)	15	50 (13.9)	
MIXING	Note: Roller or be overspray and sur coating below mis	ush applicati face irregula	on may require two o rities. Wet film thickne						
MIXING	overspray and sur coating below mit	face irregula	rities. Ŵet film thickne			otain recommende	d film thickness.	Allow for	
		Note: Roller or brush application may require two or more coats to obtain recommended film thickness. Allow for overspray and surface irregularities. Wet film thickness is rounded to the nearest 0.5 mil or 5 microns. Application coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. †							
	Power mix contents of each container, making sure no pigment remains on the bottom. Pour a measured amount of Part B into a clean container large enough to hold both components. Add an equal volume of Part A to Part B while under agitation. Continue agitation until the two components are thoroughly mixed. Do not use mixed material beyond pot life limits. Note: Both components should be above 50°F (10°C) prior to mixing. For application to surfaces between 50°F to 60°F (10°C to 16°C), allow mixed material to stand thirty (30) minutes and restir before using. For optimum application properties, blended components should be above 60°F (16°C). Mixing ratio is one to one by volume.								
	Use No. 4 Thinner. For air spray, thin up to 10% or 3/4 pint (380 mL) per gallon. For airless spray, roller or brush, thin up to 5% or 1/4 pint (190 mL) per gallon.								
POT LIFE	20 hours at 50°F (10°C) 10 l	nours at 77°F (25°C)	4 hours a	at 100°F	(38°C)			
PPLICATION EQUIPMENT	Air Spray								
	Gun	Fluid Tip	o Air Cap	Air Hos	se ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressur	
	DeVilbiss JGA	Е	765 or 704	5/16" or (7.9 or 9.5	r 3/8" 5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	50-80 psi (3.4-5.5 bar)	10-20 psi (0.7-1.4 bar)	
	Low temperatures Airless Spray	or longer ho	oses require higher po	ot pressure.					
	Tip Orif	ice	Atomizing Pres	sure	N	Aat'l Hose ID	Mani	fold Filter	
	0.015"-0. (380-485 mi		3000-4000 psi (207-276 bar)		1/4" or 3/8" (6.4 or 9.5 mm)		60 mesh	60 mesh (250 microns)	
	Note: Application disappear in 1 to Roller: Roller app 12.7 mm) syntheti	over inorgan 2 minutes, ap olication option c woven nap	pressure for equipme nic zinc-rich primers: . ply a full wet coat at onal when environme o covers. ull areas only. Use hig	Apply a we specified n ntal restrict	et mist c nil thick tions do	coat and allow tiny mess. o not allow sprayir	v bubbles to form ng. Use 3/8" or 1/		
	Minimum 50°F (10°C) Maximum 135°F (57°C) The surface should be dry and at least 5°F (3°C) above the dew point. Coating will not cure below minimum surface temperature.								
	Flush and clean all equipment immediately after use with the recommended thinner or MEK.								
CLEANUP	Flush and clean a	ll equipment	immediately after use	with the r	ecomm	ended thinner or 1	MEK.		

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Tnemec Company, Inc. 6800 Corporate Drive Kansas City, Missouri 64120-1372 +1 816-483-3400 www.tnemec.com