## Hi-Build Epoxoline II SERIES N69

Series V69 conforms with air pollution regulations limiting Volatile Organic Compounds (VOC) to a maximum of 250 grams/litre (2.08 lbs/gal) In areas requiring less than 100 grams/litre VOC, please refer to the Series L69 data sheet.

			In areas	s requiring less than TUU gi	rams/litre VUC, please refer to tr	ie Series L69 data sheet.		
	<b>PRODUCT PROFIL</b>	E						
	GENERIC DESCRIPTION COMMON USAGE	j 1 j						
		tance to abrasion and Tnemec representativ	d is suitable for imme ve for a list of chemic	ersion as well as chemicals. This product can a	cal contact exposure. Cont also be used for lining stora used as a block filler on co	act your local age tanks that		
®	COLORS	tion, incomplete mix	ing, miscatalyzation o		ed exposure to sunlight. La at emit carbon dioxide and yellowing to occur.			
	FINISH	Satin						
	SPECIAL QUALIFICATIONS	ments of MIL-PRF-4	<b>556F</b> for fuel storage	ge.	er coat passes the performa	ance require-		
	PERFORMANCE CRITERIA	Extensive test data av	vailable. Contact your	Tnemec representativ	e for specific test results.			
TNEMEC	<b>COATING SYSTEM</b>							
	PRIMERS	<ul> <li>Steel: Self-priming or Series 1, 27, 37H, 66, 90E-92, 90-97, 90-1K97, 91-H₂O, 94-H₂O, 135, 161, 394, 530</li> <li>Galvanized Steel and Non-Ferrous Metal: Self-priming or Series 66, 161</li> <li>Concrete: Self-priming or Series 130, 218</li> <li>CMU: Self-priming or 54-562, 130, 215, 216, 218</li> </ul>						
	TOPCOATS	1077, 1078. Refer to 0 lowing recoat times a	COLORS on applicab apply for Series N69/ —After 60 days, scari	le topcoat data sheets V69: Immersion Servic fication or an epoxy tio	70, 1071, 1072, 1074, 1074U for additional information. e—Surface must be scarifie e-coat is required. Contact	<b>Note:</b> The fol- d after 60 days.		
	SURFACE PREPARA	ATION						
	STEEL			Near-White Blast Clea E 3 Commercial Blast	0			
	PRIMED STEEL	Immersion Service	: Scarify the Series 60	6, N69/V69 or 161 prim	ne coat surface by abrasive or 60 days or longer and N			
	GALVANIZED STEEL & NON-FERROUS METAL	Surface preparation 1		l vary depending on s nemec Technical Servic	ubstrate and exposure conces.	ditions.		
	CAST/DUCTILE IRON			nemec Technical Servio				
	CONCRETE		ACE 6, ICRI CSP 2-4 S	•	r immersion service, abrasi Concrete and Tnemec's Sui			
	CMU		, ,	otrusions and mortar s				
	PAINTED SURFACES ALL SURFACES		-	nec representative for chalk and other conta	specific recommendations. minants.			
	<b>TECHNICAL DATA</b>							
	VOLUME SOLIDS*	$67.0 \pm 2.0\%$ (mixed)						
	RECOMMENDED DFT	2.0 to 10.0 mils (50 to mils (100-150 micron	s) per coat. Otherwise	e, the number of coats	6F applications require two and thickness requirements			
	CURING TIME AT 5 MILS DFT	substrate, application Temperature	To Handle	e. Contact your Tneme <b>To Recoat</b>	Immersion			
	Without 44-700 Accelerator	90°F (32°C)	4 hours	7 hours	6 days			
		80°F (27°C)	5 hours	8 hours	7 days			
		70°F (21°C)	7 hours	10 hours	7 days			
		60°F (16°C)	8 hours	12 hours	9 days			
		50°F (10°C)	12 hours	16 hours	12 days			
		Curing time varies with	th surface temperature	e, air movement, humic	lity and film thickness. Note	: For faster cur-		
					elerator; see separate produc	t data sheet.		
	VOLATILE ORGANIC COMPOUNDS*	N69: Unthinned	Thinned 10% No. 4 Thinner	Thinned 10% No. 60 Thinner	V69: Unthinned	Thinned 2.5%		
		2.40 lbs/gallon	2.80 lbs/gallon	2.80 lbs/gallon	1.95 lbs/gallon	2.08 lbs/gallon		
		(285 grams/litre)	0	0	(234 grams/litre)	(250 grams/litre)		
	HAPS	2.40 lbs/gal solids	. 0	6	2.05 lbs/gal solids	2.30 lbs/gal solids		
	THEORETICAL COVERAGE*	, 1.0.		ns). See APPLICATION	tor coverage rates.			
	NUMBER OF COMPONENTS PACKAGING	Two: Part A (amine)		oana Ordan in and	tiples of 2			
	NET WEIGHT PER GALLON*	5 gallon (18.9L) pails N69: $13.67 \pm 0.25$ lbs	-	cans — Order in mult ed) V69: 14.0	tiples of 2. 1 ± 0.25 lbs (6.36 ± .11 kg)	(mixed)		
				hout notice. The online catalog at w mec representative for current tech	ww.tnemec.com should be referenced for th nical data and instructions.	ie most		

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STORAGE TEMPERATURE	Minimum 20°F (-7°C)	Maximum 11	0°F (43°C)				
TEMPERATURE RESISTANCE(Dry) Continuous 250°F (121°C)Intermittent 275°F (135°C)							
SHELF LIFE	Part A: 24 months; Part B: 1	12 months at recommen	ded storage temperature.				
FLASH POINT - SETA	N69 & V69 Part A: 82°F (28	N69 Part B: 9	03°F (34°C) V69 P	art B: 86°F (30°C)			
HEALTH & SAFETY	Paint products contain cher	nical 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.					
DDLICATION							
PPLICATION							
COVERAGE RATES*							
		Dry Mils	Wet Mils	Sq Ft/Gal			
		(Microns)	(Microns)	(m²/Gal)			
	Suggested (1)	6.0 (150)	9.0 (230)	179 (16.6)			
	Minimum	2.0 (50)	3.0 (75)	537 (49.9)			
	Maximum	10.0 (250)	15.0 (375)	107 (10.0)			
	Dense Concrete & Masonry: From 100 to 150 sq ft (9.3 to 13.9 m <sup>2</sup> ) per gallon.						
	<b>CMU:</b> From 75 to 100 sq ft (7.0 to 9.3 m <sup>2</sup> ) per gallon.						
	(1) Note for Steel: Roller or brush application requires two or more coats to obtain recommended film thick-						
	ness. Also, Series N69 can be spray applied to an optional high-build film thickness range of 8.0 to 10.0 dry						
	mils (205 to 255 dry microns) or 11.5 to 14.5 wet mils (209 to 370 wet microns). Allow for overspray and surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below						
	8						
MIXING	minimum or above maximum recommended dry film thicknesses may adversely affect coating performance. l. Start with equal amounts of both Parts A & B.						
MIAINO	2. Using a power mixer, separately stir Parts A & B.						
	3. (For accelerated version. If not using 44-700, skip to No. 4.)						
	Add four (4) fluid ounces of 44-700 per gallon of Part A while Part A is under agitation.						
	4. Add Part A to Part B under agitation, stir until thoroughly mixed.						
	5. Both components must be above 50°F (10°C) prior to mixing. For application of the unaccelerated version						
	to surfaces between 50°F to 60°F (10°C to 16°C) or the accelerated version to surfaces between 35°F to 50°F						
	(2°C to 10°C), allow mixed material to stand 30 minutes and restir before using.						
	6. For optimum application properties, the material temperature should be above 60°F (16°C). <b>Note:</b> The use of more than the recommended amount of 44-700 will adversely affect performance.						
				, 1			
POT LIFE		rs at 50°F (10°C)	5 hours at 77°F (25°C)	3 hours at 100°F (38°C)			
		rs at 35°F (2°C)	4 hours at 77°F (25°C)	1 hour at 100°F (38°C)			
THINNING		1	1	per gallon. For airless spray,			
	roller or brush, thin up to 5% or ¼ pint (190 mL) per gallon. <b>Note:</b> When using Series V69, a maximum of 2.5% of No. 4 Thinner may be used to comply with VOC regulations.						
		1 /	0				
SURFACE TEMPERATURE	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						
		and at least 5°F (3°C) at	pove the dew point. Coating	g will not cure below minimum			
	surface temperature.						
APPLICATION EQUIPMENT		A	ir Spray †				

## APPLICATION EQUIPMENT

**TECHNICAL DATA continued** 

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AP

Air Spray †						
Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss	Е	765	5/16" or 3/8"	3/8" or 1/2"	75-100 psi	10-20 psi
JGA		or 704	(7.9 or 9.5 mm)	(9.5 or 12.7 mm)	(5.2-6.9 bar)	(0.7-1.4 bar)

Low temperatures or longer hoses require higher pot pressure.

## Airless Spray †

Tip Orifice	<b>Atomizing Pressure</b>	Mat'l Hose ID	Manifold Filter
0.015"-0.019"	3000-4800 psi	1/4" or 3/8"	60 mesh
(380-485 microns)	(207-330 bar)	(6.4 or 9.5 mm)	(250 microns)

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions. † Spray application of first coat on CMU should be followed by backrolling.

Note: Application over inorganic zinc-rich primers: Apply a wet mist coat and allow tiny bubbles to form. When bubbles disappear in 1 to 2 minutes, apply a full wet coat at specified mil thickness.

Roller: Use 3/8" or 1/2" (9.5 mm or 12.7 mm) synthetic woven nap roller cover. Use longer nap to obtain penetration on rough or porous surfaces.

Brush: Recommended for small areas only. Use high quality natural or synthetic bristle brushes.

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

\*Values may vary with color.

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