

**PRODUCT DATA SHEET** 

ENDURA-SHIELD® II SERIES 1074

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1 Gallon Kit	1 gallon pail	1 pint can	1 gallon (3.79L)	
3 Gallon Kit	5 gallon pail	1/2 gallon can	3 gallons (11.35L)	
	PART A (Partially filled)	PART B (Partially filled)	When Mixed	
By volume: Eight (Part A) to		· · · ·		
Two: Part A and Part B				
1,051 mil sq ft/gal (25.8 m²/	/L at 25 microns). See APPLICATIO	DN for coverage rates. †		
0.0 lbs/gal solids	0.0 lbs/gal solids	0.0 lbs/gal solids	0.0 lbs/gal solids	
Unthinned	Max 10% (No. 39 Thin.)	Max 9% (No.42 Thin.)	Max 8% (No. 48 Thin.)	
(269 g/l)	(339 g/l)	(339 g/l)	(340 g/l)	
	(No. 39 Thin.)	(No. 42 Thin.)	(No. 48 Thin) 2.84 lbs/gal	
	Max 10%	Max 9%	Max 8%	
before the applicable cure p and low-temperature applic Technical Services for force	parameters are met, dull, flat or sp ations, add No. 44-710 Urethane	otty appearing areas may develop	D. Note: For faster curing	
			20 hours ting is exposed to moist	
			9 hours	
75°F (24°C)	6 hours	8 hours	5 hours	
95°F (35°C)	4 hours	5 hours	3 hours	
Temperature	To Handle	To Recoat	<b>Resist Moisture</b>	
		1		
2.0 to 5.0 mils (50 to 125 m application method and exp	icrons) per coat. <b>Note:</b> Number o posure. Contact your Tnemec repr	f coats and thickness requirement resentative.	s will vary with substrate	
66 ± 2.0% (mixed) †				
Must be clean, dry and free recommendation.	ot oil, grease and other contamin	ants. See primer product data she	et for surface preparatio	
<b>CMU:</b> 54, 130. Intermediate <b>Note:</b> Before topcoating wireceive an intermediate coa	coat required. th Series 1074, Series V530 exterio t of Tnemec polyamide epoxy. Re	or exposed for more than 24 hour	s must first be scarified c nay apply. See those data	
L140F, N140, N140F, V140, systems. See product data s <b>Galvanized Steel and Nor</b> preparation instructions, cor	V140F, 161, 394, V530. <b>Note:</b> Seri heet for more information. <b>n-Ferrous Metal:</b> Series 66, L69, 1 nsult the latest version of Tnemec	es 118 is typically used to overcoa N69, V69, 135, 1224. <b>Note:</b> For sp Technical Bulletin 10-78.	at, sound, existing coatin	
		with ISO 12944-6 (2018). Contact	your Tnemec	
	rements of SSPC-36 (level 3) Paint	standard.		
finish coat color. When feas				
combines with project specific primers for two-coat, labor saving systems. Fast curing options are available; see Curing Time below. NOT FOR IMMERSION SERVICE.				
		ve fumes and exterior weathering	. High build quality	
Aliphatic Acrylic Polyuretha	ne			
	A coating highly resistant to combines with project spec Time below. NOT FOR IMM Refer to Tnemec Color Guid finish coat color. When feas Gloss Series 1074 meets the requi This product is part of a correpresentative for coating sy <b>Steel:</b> Series 1, 20, FC20, 27 L140F, N140, N140F, V140, systems. See product data s <b>Galvanized Steel and Noo</b> preparation instructions, co <b>Concrete:</b> Series 66, L69, L <b>CMU:</b> 54, 130. Intermediate <b>Note:</b> Before topcoating wi receive an intermediate coa sheets for additional inform <b>Must be clean, dry and free</b> recommendation. <b>66 ± 2.0% (mixed) †</b> 2.0 to 5.0 mils (50 to 125 m application method and exp <b>Temperature</b> 95°F (35°C) 75°F (24°C) 55°F (13°C) 35°F (2°C) <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> before the applicable cure p and low-temperature applic <b>Curing time varies with suff</b> <b>Curing time varies with suff</b> <b>Curing time varies with suff</b> <b>Curing time varies with suff</b> <b></b>	A coating highly resistant to abrasion, wet conditions, corrosi combines with project specific primers for two-coat, labor say Time below. NOT FOR IMMERSION SERVICE. Refer to Tnemec Color Guide. <b>Note:</b> Certain colors may requ finish coat color. When feasible, the preceding coat should b Gloss Series 1074 meets the requirements of SSPC-36 (level 3) Paint This product is part of a coating system tested in accordance representative for coating system tested in accordance representative for coating system tested in accordance representative for coating system test results. <b>Steel:</b> Series 1, 20, FC20, 27, 27WB, 66, L69, L69F, N69, N69F L140F, N140, N140F, V140, V140F, 161, 394, V530. <b>Note:</b> Series systems. See product data sheet for more information. <b>Galvanized Steel and Non-Ferrous Metal:</b> Series 66, L69, 1 preparation instructions, consult the latest version of Themee <b>Concrete:</b> Series 66, L69, L69F, N69, N69F, V69, V69F, 104, 1 <b>CMU:</b> 54, 130. Intermediate coat required. <b>Note:</b> Before topcoating with Series 1074, Series V530 exterir receive an intermediate coat of Themee polyamide epoxy. Re- sheets for additional information. <b>66 ± 2.0%</b> (mixed) † <b>2.0</b> to 5.0 mils (50 to 125 microns) per coat. <b>Note:</b> Number o application method and exposure. Contact your Themee reput <b>Temperature To Handle</b> <b>95°F</b> (35°C) 4 hours <b>75°F</b> (24°C) 6 hours <b>55°F</b> (13°C) 12 hours <b>35°F</b> (2°C) 36 hours <b>Curing time varies with surface temperature, air movement, f.</b> before the applicable cure parameters are met, dull, flat or sg and low-temperature applications, add No. 44-710 Urethane, Technical Services for force curing times and temperatures. <b>EPA Method 24</b> † <b>Unthinned Max 10%</b> <b>(No. 39 Thin.)</b> <b>2.24</b> lbs/gal (25.8 m²/L at 25 microns). See APPLICATIO Two: Part A and Part B By volume: Eight (Part A) to one (Part B) <b>PART A (Partially filled)</b> <b>3</b> Gallon Kit 5 gallon pail	A coating highly resistant to abraion, wet conditions, corrosive fumes and exterior wenthering combines with project specific primes for two-road, labor saving systems. Fast curing options is finish coat color. When Feasible, the preceding coat should be in the same color family, but no Closs Series 1074 meets the requirements of SSPC-36 (level 3) Paint Standard. This product is part of a coating system tested in accordance with ISO 12944-6 (2018). Contact representative for coating system test results. Steel: Series 1, 20, FC20, 27, 27WB, 66, L69, L69F, N69, N69F, V69, V69F, 90-97, 91-H <sub>2</sub> O, 94-H L140F, N140, N140F, V140, V140F, 161, 394, V530. Note: Series 118 is typically used to overcor systems. See product data sheet for more information. Galvanized Steel and Non-Ferrous Metal: Series 66, L69, N69, V69, 155, 1224. Note: For sp preparation instructions, consult the latest version of Themee Technical Bulletin 10-78. Concrete: Series 66, L69, L69F, N69, N69F, V69, V69F, 104, L61 CMU: 34, 130. Intermediate coat required. Note: Before topcoating with Series 1074, Series V50 exterior exposed for more than 24 hour receive an intermediate coat of Theme polyamide epoxy. Recoat windows for other primers or sheets for additional information.	

Published technical data and instructions are subject to change without notice. The online catalog at www.tnemec.com should be referenced for the most current technical data and instructions or you may contact your Themee representative for current technical data and instructions.

**PRODUCT DATA SHEET** 

# ENDURA-SHIELD® II | SERIES 1074

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

FLASH POINT - SETA Part A: 95°F (35°C) Part B: 135°F (57°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** 

SHELF LIFE

**HEALTH & SAFETY** 

### Conventional Build (Spray, Brush or Roller)

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m²/Gal)
Suggested	2.5 (65)	4.0 (100)	423 (39.3)
Minimum	2.0 (50)	3.0 (75)	529 (49.2)
Maximum	3.0 (75)	4.5 (115)	353 (32.8)

#### High-Build (Spray Only)

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Gal (m²/Gal)
Suggested	4.0 (100)	6.0 (150)	265 (24.6)
Minimum	3.0 (75)	4.5 (115)	353 (32.8)
Maximum	5.0 (125)	7.5 (190)	212 (19.7)

Note: Can be spray applied at 3.0 to 5.0 mils (75 to 125 microns) DFT per coat when extra protection or the elimination of a coat is desired. Allow for overspray and surface irregularities. Wet film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance.

Stir contents of the container marked Part A, making sure no pigment remains on the bottom. Add the contents of the can marked Part B to Part A while under agitation. Continue agitation until the two components are thoroughly mixed. When used with 44-710 Urethane Accelerator, first blend 44-710 into Part A under agitation; continue as above. Do not use mixed material beyond pot life limits. Caution: Part B is moisture-sensitive and will react with atmospheric moisture. Unused material must be kept tightly closed at all times.

For air or airless spray, thin 9% or 7/10 pint (340 mL) per gallon with No. 42 Thinner if temperatures are below 80°F (27°C) or use 8% of No. 48 Thinner for temperatures above 80°F (27°C). For brush and roller, thin 10% or 3/4 pint (380 mL) per gallon with No. 39 Thinner. **Note:** Thinning is required for proper application. **Caution: Do not add thinner if** THINNING more than 30 minutes have elapsed after mixing.

1 1/2 hours at 77°F (25°C) unthinned 2 hours at 77°F (25°C) thinned

### APPLICATION EQUIPMENT

MIXING

POT LIFE

Air Spray

Gun	Fluid Tip	Air Cap	Air Hose ID	Mat'l Hose ID	Atomizing Pressure	Pot Pressure
DeVilbiss JGA	Е	704 or 765	5/16" or 3/8" (7.9 or 9.5 mm)	3/8" or 1/2" (9.5 or 12.7 mm)	75-90 psi (5.2-6.2 bar)	10-20 psi (0.7-1.4 bar)

Low temperatures or longer hoses require higher pot pressure. **Airless Spray Application:** Contact Themec Technical Services. **Roller:** Use 1/4" or 3/8" (6.4 mm or 9.5 mm) synthetic woven nap roller covers. Do not use long nap roller covers. Two coats are required to obtain dry film thickness above 3.0 mils (75 microns). **Brush:** Recommended for small areas only. Use high quality natural or synthetic bristle brushes. Two coats are required to obtain recommended film thickness above 3.0 mils (75 microns).

Minimum 35°F (2°C) Maximum 120°F (49°C)

SURFACE TEMPERATURE

CLEANUP

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

The surface should be dry and at least 5°F (3°C) above the dew point.

† Values may vary with color.

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