

SELECTION & SPECIFICATION DATA

Generic Type	Amine Modified Epoxy
Description	Phenoline 187 UHS LT Primer is an ultra high solids low temperature cure amine modified epoxy specially formulated for application under Phenoline 187 UHS LT Finish. It is low in both odor and VOC. It conforms to MIL-PRF-23236B(SH) Type IV, Class 2, Grade B and is recommended for industrial and marine exposures on steel and concrete. It provides excellent surface wetting and adhesion properties. It is used to line ballast, oil, and fuel storage tanks as well as water tanks and pipes, containment areas and water and waste water treatment plants.
Features	<ul style="list-style-type: none"> • Excellent solvent/fuel resistance • Excellent water resistance • High solids, low odor, low VOC • Conforms to MIL-PRF-23236B(SH) Type IV, Class 2, Grade B • High flash point >200°F (93°C) • Low Temperature application and cure 40°F (4.4°C)
Color	Gold (0600)
Finish	Gloss
Primer	Self-priming
Dry Film Thickness	102 - 203 microns (4 - 8 mils) per coat
Solids Content	By Volume 98% +/- 2%
Theoretical Coverage Rate	38.6 m ² /l at 25 microns (1572 ft ² /gal at 1.0 mils) 9.6 m ² /l at 100 microns (393 ft ² /gal at 4.0 mils) 4.8 m ² /l at 200 microns (196 ft ² /gal at 8.0 mils) Allow for loss in mixing and application.
VOC Values	As Supplied : 0.16 lbs/gal (20 g/l)
Topcoats	Use Phenoline 187 UHS LT Finish

SUBSTRATES & SURFACE PREPARATION

General	All surfaces must be thoroughly cleaned to remove dirt, grease, mill scale, loose rust, and any other contaminants that can reduce adhesion.
Steel	<u>Atmospheric Exposure</u> – SSPC-SP6, 2 mil (50 micron) profile <u>Immersion Exposure</u> – SSPC-SP10, 2-3 mil (50-75 micron) profile
Concrete or CMU	<u>Atmospheric Exposure</u> – SSPC-SP13/NACE6 <u>Immersion Exposure</u> – SSPC-SP13/NACE 6 - 4.3.1 or 4.3.2; Voids in concrete may require surfacing. <u>CMU</u> - ASTM D 4261
Special Instruction	Do not apply if substrate or ambient temperature is below 40°F (4.4°C) or above 77°F (25°C). Exterior exposure causes color change, gloss loss and chalking; however, this does not affect protective performance properties

Phenoline 187 UHS LT Primer

PRODUCT DATA SHEET



MIXING & THINNING

Mixing	Thoroughly mix each component separately and then combine. Use mechanical agitation for all mixing. Do not mix more than can be applied during the product's useful pot life. For low temperature cure version it is advisable to use plural component equipment due to the very short working time.
Thinning	Not Recommended.
Ratio	4:1 by volume (Part A: Part B)
Pot Life	20 min @ 40°F (4.4°C) 5 min sweat-in-time, @ 55°F (12.8°C) and 77°F (25°C) no sweat-in-time

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

Spray Application (General)	Apply unthinned using airless spray, preferably plural component equipment. Use brush or roller to stripe coat all sharp angles, crevices and welds before spraying to ensure peak product performance. On steel, apply a 5-6 mil (125-150 micron) wet coat to the surface. Apply additional material to recommended film thickness using a "wet on wet" technique. Use a 50% overlap with each pass when spraying to eliminate holidays and pinholes.
Airless Spray	Apply using a 45:1 pump able to deliver 4000 psi.(276 bar) Hose: 3/8" (9.5 mm) I.D. (min.) Tip Size: .015-.017" (.38-.43mm) High Pressure Filter: 60 Mesh
Brush	Natural bristle or nylon/polyester, for striping and repair only
Roller	3/8" (9.5 mm) woven with solvent resistant core, for striping and repair only.

CURING SCHEDULE

Surface Temp.	Dry Hard	Dry to Handle	Dry to Recoat	Dry to Touch
4°C (40°F)	7 Days	48 Hours	48 Hours	23 Hours
13°C (55°F)	5 Days	24 Hours	24 Hours	5 Hours
25°C (77°F)	3 Days	8 Hours	8 Hours	4 Hours

Dry times at 50% R.H. expect longer dry times in periods of higher humidity or thicker films.
Cure to immersions is 7 days at 40°F (4.4°C) and 3 days at 77°F (25°C)

CLEANUP & SAFETY

Cleanup	Cleanup all tools and equipment promptly Thinner #2.
Safety	Read and follow all caution statements on this product data sheet and on the MSDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation. Keep container closed when not in use.



PACKAGING, HANDLING & STORAGE

Shelf Life	Part A: 24 months Part B: 24 months *Shelf Life: (actual stated shelf life) when kept at recommended storage conditions and in original unopened containers.
Storage Temperature & Humidity	40°F – 110°F (4.5°C - 43°C)
Storage	Store in dry protected area.
Shipping Weight (Approximate)	5 Gal Kit - 60 lbs (27 kg)
Flash Point (Setaflash)	>200°F (93°C) mixed

WARRANTY

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