

SELECTION & SPECIFICATION DATA

Generic Type	Amine Modified Epoxy
Description	Phenoline 187 UHS LT Finish is an ultra high solids low temperature cure amine modified epoxy specially formulated to line ballast, oil and fuel storage tanks as well as water tanks and pipes, containment areas and water and waste water treatment plants. It is low in both odor and VOC. It provides excellent surface wetting and adhesion properties.
Features	<ul style="list-style-type: none"> • Excellent solvent/fuel resistance • Excellent water resistance • High solids, low odor, low VOC • Airless spray • Conforms to MIL-PRF-23236B(SH) Type IV, Class 2, Grade B • Low Temperature application and cure 40°F (4.4°C)
Color	White (0800) and Buff (0200)
Finish	Gloss
Primer	Normally applied over Carboguard 187 UHS LT Primer. May be used as a self-priming, two-coat system where specified or as a single coat system.
Dry Film Thickness	254 - 305 microns (10 - 12 mils) per coat May also be applied in a single coat application at 18-22 mils (450-550 microns).
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) 3.9 m ² /l at 250 microns (157 ft ² /gal at 10.0 mils) 3.2 m ² /l at 300 microns (131 ft ² /gal at 12.0 mils) Allow for loss in mixing and application.
VOC Values	As Supplied : 0.16 lbs/gal (20 g/l)
Wet Temp. Resistance	Immersion temperature resistance depends upon exposure. Consult Carboline Technical Service for specific information.

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</u> – SSPC-SP6, 1.5-2.5 mil profile (38-62.5 microns) <u>Immersion</u> – SSPC-SP10, 2-3.5 mil profile (50-88 microns)
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

Phenoline 187 UHS LT Finish

PRODUCT DATA SHEET



SUBSTRATES & SURFACE PREPARATION

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.

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.**

Thinning | **Not Recommended**

Ratio | 4:1 by volume (Part A: Part B)

Pot Life | 20 min @ 40°F (4.4°C), allow 10 min sweat-in-time, and 20 min @ 55°F (12.8°C), allow 5 min sweat-in-time, and at 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 (125-150 microns) wet mil 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 74:1 pump able to deliver 6000 psi.(413 bar)
Hose: 3/8" (9.5mm) I.D. (min.)
Tip Size: .019-.021" (.48-.53mm)
High Pressure Filter: 30 Mesh

Brush | Natural bristle or nylon/polyester, for striping and repair only

Roller | 3/8" (9.5mm) woven with solvent resistant core, for striping and repair only.

CURING SCHEDULE

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

Dry times at 50% R.H. expect longer dry times in periods of higher humidity or lower temperatures or when applying thicker films. Use standard cure Part B at temperatures from 55°F and higher, use low temperature activator (LT cure) at temperatures between 40°F and 77°F.

CLEANUP & SAFETY

Cleanup | Cleanup all tools and equipment promptly Thinner #2.

CLEANUP & SAFETY

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.
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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 - 56 lbs (25.4 kg)
Flash Point (Setaflash)	>200°F (93°C) mixed

WARRANTY

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