



HPC/Industrial Maintenance

PITTSBURGH® Paints EP-97 Amine-Epoxy Finish Coatings

Generic Type

Two component Amine-Epoxy

Tinting and Base Information

Do Not Tint	
97-160	White, Component A
97-161	Light Gray, Component A
97-169	Component B

General Description

EP-97 coatings provide the excellent chemical resistance typical of amine cured epoxies. High volume solids permit spray application to high film builds resulting in reduced costs to attain desired film thickness. EP-97 provides long term protection in many aggressive chemical environments and is suitable as a liner for styrene or polyester resin storage.

Recommended Uses

Masonry
Heavy Gauge Steel

Features / Benefits

Recommended for aggressive chemical environments.
Resistant to both acid and alkaline chemical solutions.
Proven use as a liner for styrene and polyester resin storage.

Limitations of Use

Not intended for residential use. Apply only when product, air and surface temperatures are above 50°F (10°C) and surface temperature is at least 5°F (3°C) above the dew point. Avoid exterior painting late in the day when dew or condensation are likely to form or if rain is threatening. The cure of EP-97 is dependent upon the moisture in the atmosphere. The curing is considered normal when the ambient temperature is 75°F (23°C) and the relative humidity is at 50%. When used in areas adjacent to surfaces coated with alkyd type enamels, a reaction may occur which results in yellowing of the alkyd enamels. Care should be exercised to prevent this occurrence. EP-97 systems are intended for use on dimensionally stable substrates such as heavy gauge steel or masonry. They are not recommended on thin gauge metal subject to repeated flexing. Not recommended for use on floors. Under high humidity conditions, an amine blush may result in low gloss on application. This is not detrimental to film properties.

Product Data

Gloss:	Semi-gloss
VOC*:	1.25 lbs/gal 150.00 g/L
Coverage:	219 to 263 sq ft/gal (20 to 24 sq. m/3.78L)
<i>Note: Does not include loss due to varying application method, surface porosity, or mixing.</i>	
DFT:	5.0 minimum to 6.0 maximum
Weight/Gallon*:	12.1 lbs. (5.5 kg) +/- 0.3 lbs. (136 g)
Volume Solids*:	82.2% +/- 2%
Weight Solids*:	89.7% +/- 2%
Mix Ratio:	3 parts Comp. A to 1 part Comp. B
Clean-up:	PPG 97-725 Epoxy Thinner

Results will vary by color, thinning and other additives.

*Product data calculated on mixed 97-160

Drying Time:

To Touch:	8 hours
To Handle:	18 hours
To Recoat:	18 hours- max. 1 wee

Dry Time @77°F (25°C); 50% relative humidity

Pot Life: 4 hours

In Service Temperature:

Dry Heat (F): 300° Dry Heat (C): 150°

Flash Point:	97-160 172°F, (78°C)
	97-169 139°F, (60°C)
	97-161 172°F, (78°C)

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General Surface Preparation

Remove all loose paint, mill scale, and rust. The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials.

NON-IMMERSION SERVICE: Minimum surface preparation for ferrous metal substrates is SSPC-SP6, Commercial Blast Cleaning. Brush blasting or etching is required for masonry.

IMMERSION SERVICE: Near White Metal Blast Cleaning, SSPC-SP10, is mandatory for ferrous metals and is the recommended preparation to provide longer service under highly aggressive conditions.

HPC Systems in Detail Brochure (H10788) COATING SYSTEMS: 14-HD, 201-HD

For specific recommendations, see your Pittsburgh Paints dealer or call 1-800-441-9695.

Recommended Primers

Galvanized Steel	Self Priming
Non-Ferrous Metal	Self Priming
Ferrous Metal	Self Priming
Concrete, Stucco, Plaster, Masonry other than CM Uni	Self Priming
Concrete Block	Self Priming

Directions for Use

Mix "A" component thoroughly with a mechanical mixer before blending. When thoroughly mixed add Component "B" to Component "A" and blend well using a mechanical mixer. A 30 minute digestion time is required once the two components are combined and mixed. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695.

Permissible temperatures during application:

Material:	50 to 90°F	10 to 32°C
Ambient:	50 to 100°F	10 to 38°C
Substrate:	50 to 130°F	10 to 54°C

PPG AF believes the technical data presented in this bulletin is currently accurate; however, no guarantee of accuracy, comprehensiveness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date information visit our web site or call 1-800-441-9695

Application Information

Recommended Spread Rates:

Wet Mills :	6.1 minimum to	7.3 maximum
Wet Microns:	155.0 minimum to	185.4 maximum
Dry Mills :	5.0 minimum to	6.0 maximum
Dry Microns:	127.0 minimum to	152.4 maximum

Application Equipment: Changes in application equipment, pressures and/or tip sizes may be required depending on ambient temperatures and application conditions.

Conventional Spray: Fluid Nozzle: DeVilbiss P-MBC gun, with 704 or 777 air cap with D or E tip and needle, or comparable equipment. Atomization Pressure: 55 - 70 Fluid Pressure: Can not specify, dependent on numerous factors.

Airless Spray: Pressure: 1600 - 2500 psi, tip 0.017" - 0.025"

Brush: Not Recommended

Roller: Not Recommended.

Thinning:

Airless spray as received. Thin up to 12 oz. per gallon with 97-725 Thinner for air spray. Do not over thin. Do not thin beyond regulations in VOC regulated areas.

Packaging: 1-Gallon (3.78L)

5-Gallon (18.9L)

Not all products are available in all sizes.



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Bulletin: 97-160

Additional copies of this bulletin can be obtained from our web site or by calling 1-800-428-7806.

Rev. 3/2000