



HPC/Industrial Maintenance

PITTSBURGH® Paints Silicone Alkyd Enamel High Gloss

Generic Type

Silicone Alkyd Copolymer

Tinting and Base Information

97-480	White
97-500	Color Group A
97-5000	Silicone Alkyd Clear Base
97-503	Color Group B

General Description

These coatings are intended for use in the same areas as alkyd enamels, but where superior color and gloss retention are important considerations. Typical applications include power plants, buildings, tank farms, electrical transformers, and bridges.

Recommended Uses

- Masonry
- Metal

Features / Benefits

- Durable High gloss finish
- Superior fade resistance
- Excellent gloss retention
- Good chemical resistance

Limitations of Use

Must be used on dimensionally stable substrates. Not suitable for use on wood. Not intended for residential use. Apply only when air, the product and surface temperatures are 40°F (5°C) or higher, and when the surface temperature is at least 5°F (3°C) above the dew point. Do not apply silicone alkyd coatings over soft, slow drying primers. Do not apply directly over zinc rich primers- apply a barrier coat first.

Product Data

Gloss:	Gloss: +75 (60° Gloss Meter)
VOC*:	3.45 lbs/gal 414.00 g/L
Coverage:	376 to 502 sq ft/gal (34 to 46 sq. m/3.78L)
<i>Note: Does not include loss due to varying application method, surface porosity, or mixing.</i>	
DFT:	1.5 minimum to 2.0 maximum
Weight/Gallon*:	9.9 lbs. (4.5 kg) +/- 0.2 lbs. (91 g)
Volume Solids*:	46.9% +/- 2%
Weight Solids*:	65.2% +/- 2%
Clean-up:	Leptyne Paint Thinner 21-263

Results will vary by color, thinning and other additives.

*Product data calculated on 97-480

Drying Time:

To Touch:	4 hours
To Handle:	8 hours
To Recoat:	16 hours

Dry Time @77°F (25°C);

In Service Temperature:

Dry Heat (F):	350°	Dry Heat (C):	177°
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Flash Point:	97-480 98°F, (37°C)
	97-500 102°F, (39°C)
	97-5000 102°F, (39°C)

Remove all loose paint, mill scale and rust. The surface to be coated must be dimensionally stable, dry, clean and free of oil, grease and other foreign materials. The service life of this coating depends on good surface preparation. Surface preparation is determined by the primer selected. Where appropriate bare areas should be coated with the recommended primer. These products may be applied over zinc-rich primers when a barrier coat of Aquapon® Polyamide Epoxy coating is applied between the zinc-rich primer and the silicone alkyd topcoat.

PREVIOUSLY PAINTED SURFACES: Old coatings should be tested for adhesion of the existing system and the proposed topcoat.

HPC Systems in Detail Brochure (H10788) Coating Systems: 207-HD, 208-HD, 240-HD

Recommended Primers

Galvanized Steel	6-209
Non-Ferrous Metal	6-204
Ferrous Metal	6-208
Concrete, Stucco, Plaster, Masonry other than CM Uni	6-603
Concrete Block	6-12

Directions for Use

Mix thoroughly before and during use. 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:	40 to 90°F	5 to 32°C
Ambient:	40 to 100°F	5 to 38°C
Substrate:	40 to 130°F	5 to 54°C

PPGAF 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 :	3.2 minimum to	4.3 maximum
Wet Microns:	81.3 minimum to	109.2 maximum
Dry Mills :	1.5 minimum to	2.0 maximum
Dry Microns:	38.1 minimum to	50.8 maximum

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

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

Airless Spray: Pressure: 1500 - 3000 psi, tip 0.013" - 0.015"

Brush: High Quality Polyester/Nylon Brush

Roller: 3/8" nap woven roller

Thinning:

DO NOT THIN.

Packaging: 1-Gallon (3.78L) 5-Gallon (18.9L)

Not all products are available in all sizes.



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

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