

**PITTSBURGH® PAINTS**A new generation of paint company
for a new generation.**PITTSBURGH® Paints****97-710 Series****HPC/Industrial Maintenance****PITTSBURGH® Paints Silicone Acrylic Enamels****Generic Type**

Combination of Silicone and Acrylic Resins

General Description

Silicone Acrylic Enamels from PITTSBURGH® Paints provide excellent color and gloss retention on exterior exposure. When used as the topcoat in recommended systems, they approach the weathering durability of two component acrylic urethanes in a single component coating. Dries fast for multiple coats without moving scaffolding. Provides dry heat resistance up to 450°F (232°C).

Recommended Uses

Masonry
Metal

Features / Benefits

Dries fast for multiple coats without moving scaffolding.
Dry heat resistance up to 450°F (232°C).
Excellent color and gloss retention.

Limitations of Use

Not intended for residential use. Apply only when air, product and surface temperature is at least 40°F (5°C) and when surface temperature is at least 5°F (3°C) above the dew point. These products are not recommended for immersion service. Do not use on floors, decks, steps or other underfoot areas. These products are not resistant to spills of aromatic or oxygenated solvents and should not be specified for such use. Silicone Acrylic Enamels are thermoplastic in nature. This makes them subject to blocking problems when two coated pieces of metal are placed in contact under pressure. Such conditions frequently occur in fabrication shop applications.

Tinting and Base Information

97-710	Group A Genie Colors
97-711	Group B Genie Colors
H31833	Vista Green
UC40134	White
UC42933	Light Gray
UC46006	Aluminum

Product Data

Gloss:	Gloss: +80 (60° Gloss Meter)
VOC*:	4.73 lbs/gal 566.40 g/L
Coverage:	284 to 379 sq ft/gal (26 to 35 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*:	9.8 lbs. (4.5 kg) +/- 0.2 lbs. (91 g)
Volume Solids*:	35.4% +/- 2%
Weight Solids*:	51.9% +/- 2%
Clean-up:	97-727, 97-733 PPG Thinners

Results will vary by color, thinning and other additives.

*Product data calculated on white formula

Drying Time:

To Touch:	30 minutes
To Handle:	1 hour
To Recoat:	1 hour

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

In Service Temperature:

Dry Heat (F): 450°	Dry Heat (C): 232°
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Flash Point:	UC40134 45°F, (7°C)
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HPC/Industrial Maintenance

PITTSBURGH® Paints Silicone Acrylic Enamels

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, and other foreign materials. Service life of coating is in direct proportion to surface preparation. For normal exposure SSPC-SP6 Commercial Blast is the minimum surface preparation. For heat resistant applications, SSPC-SP10 Near White Metal Blast is mandatory. Where appropriate bare areas should be primed with a suitable primer. For heat resistance to 450 deg F prime with UC46654 Silicone Acrylic Primer or 97-673/97-674 METALHIDE® Primer 1001. For ambient temperature exposures, prime with MULTIPRIME® Primer, 97-680 or 97-689.

PREVIOUSLY PAINTED SURFACES: Old coatings should be tested for adhesion of the existing system and lifting by the proposed topcoat. HPC Systems in Detail Brochure (H10788) COATING SYSTEMS: 205-HD, 206-HD

Recommended Primers

High Heat Environments	97-673/97-674, UC46654
Ambient Temp. Environments	97-680, 97-689

Directions for Use

Mix thoroughly using mechanical or hand paddle stirring before, and during use. Conventional air or airless spray application recommended. 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 150°F	5 to 66°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 Mils :	4.2	minimum to	5.6	maximum
Wet Microns:	106.7	minimum to	142.2	maximum
Dry Mils :	1.5	minimum to	2.0	maximum
Dry Microns:	38.1	minimum to	50.8	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 MBC gun, with 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 psi, tip 0.013" - 0.017"

Brush: High Quality Polyester/Nylon Brush

Roller: Not Recommended.

Thinning:

In VOC regulated areas, thinning must not exceed VOC regulations. Conventional Spray up to 12 oz. per gallon with 97-727 or 97-730 Airless Spray up to 12 oz. per gallon with 97-727 or 97-730 Brush up to 12 oz. per gallon with 97-734 or 97-735 Roller not recommended

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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