



HPC/Industrial Maintenance

POLYCLUTCH® Wash Primer

Generic Type

Polyvinyl butyral, zinc chromate wash primer

Tinting and Base Information

One color only. It is translucent yellow on application. Material darkens to olive drab upon curing. This product can not be tinted.

97-687	Base Component
97-688	Acid Solution
97-731	Thinner

General Description

POLYCLUTCH® Wash Primer is recommended as a metal pretreatment for coating systems exposed to severe corrosive conditions. POLYCLUTCH® Wash Primer provides outstanding adhesion to most bare metal surfaces, as it reacts chemically with the substrate.

Recommended Uses

- Aluminum
- Chromium
- Zinc
- Cadmium
- Steel
- Tin Plate
- Galvanized Steel

Features / Benefits

Recommended for severe corrosive condition
Metal pretreatment for most metal substrates.
Chemically bonds with most metal surfaces.

Limitations of Use

Not intended for residential use. The three components of this product must be mixed prior to use. Apply only when air, product and surface temperatures are above 50°F (10°C) and surface temperature is at least 5°F (3°C) above the dew point. Curing is retarded below 60°F (15°C). The sequence of mixing the ingredients has a dramatic effect on pot life. The high level of zinc chromate restricts use of these products under some local legislation. Do not exceed 0.5 mil dry.

Product Data

Gloss:	Not Applicable for this Product Code
VOC*:	6.07 lbs/gal 728.00 g/L
Coverage:	259 to 434 sq ft/gal (24 to 40 sq. m/3.78L)
<i>Note: Does not include loss due to varying application method, surface porosity, or mixing.</i>	
DFT:	0.3 minimum to 0.5 maximum
Weight/Gallon*:	7.3 lbs. (3.3 kg) +/- 0.3 lbs. (136 g)
Volume Solids*:	8.1% +/- 2%
Weight Solids*:	15.4% +/- 2%
Mix Ratio:	4 parts Base, 1 part Catalyst, 1 part Thinner
Clean-up:	97-731 PPG Thinner

Results will vary by color, thinning and other additives.

*Product data calculated on mixed formula

Drying Time:

To Touch:	0.1 hour
To Handle:	0.2 hour
To Recoat:	16 hours

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

Pot Life: 8 hours

In Service Temperature:

Dry Heat (F):	150°	Dry Heat (C):	66°
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Flash Point:	97-687 59°F, (15°C)
	97-688 68°F, (20°C)
	97-731 84°F, (29°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. When proper abrasive blasted surface preparation is not practical, surfaces should be chipped clean and wire brushed to bare, clean metal.

PREVIOUSLY PAINTED SURFACES: When applying over previously painted surfaces, all old paint must be removed and the surface sandblasted.

NON-IMMERSION SERVICE: For best results on steel surfaces, this product should be applied over a commercial blased surface SSPC-SP6.

IMMERSION SERVICE: When properly topcoated, a Near White Metal Blast Cleaning, SSPC-SP10, is mandatory for ferrous metals.

GALVANIZED STEEL: Stabilizers on the surface of the galvanized steel must be removed by appropriate means prior to coating to obtain adhesion.

HPC Systems in Detail Brochure (H10788) COATING SYSTEMS: 200-HD

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

Recommended Primers

none Self priming on properly prepared surfaces.

Application Information

Recommended Spread Rates:

Wet Mills :	3.7 minimum to	6.2 maximum
Wet Microns:	94.0 minimum to	157.5 maximum
Dry Mills :	0.3 minimum to	1.0 maximum
Dry Microns:	7.6 minimum to	12.7 maximum

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

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

Airless Spray: Not Recommended

Brush: High Quality Polyester/Nylon Brush

Roller: Not Recommended.

Thinning:

Use 97-731 Thinner to clean equipment and for thinning. It will normally be required at the level mentioned in the mixing instructions. NEVER add extra 97-688 Acid, to serve as thinner.

Directions for Use

1. Break up any settled pigment in the 97-687 Base using a wooden paddle, or mechanical mixer. Mix thoroughly to distribute the pigment evenly throughout the base BEFORE pouring off the liquid from the base container. 2. After the Base is thoroughly mixed, add one part 97-731 Thinner by volume to four parts 97-687 Base. 3. When this mixture is thoroughly blended, SLOWLY add one part 97-688 Acid by volume under constant agitation. The final ratio is: 4 parts 97-687, 1 part 97-731, 1 part 97-688.

Read all label and Material Safety Data Sheets (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

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

Packaging: 1-Gallon (3.78L) 5-Gallon (18.9L)
Quart (946 mL)

Not all products are available in all sizes.



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One PPG Place
Pittsburgh, PA 15272

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PPG Coatings, Inc.
Coatings and Resins Group
5546 Timberlea Blvd.
Mississauga, Ontario L4W2T7
(905) 238-6441

Bulletin: 97-687

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Rev. 3/2000