

**PITTSBURGH PAINTS**A new generation of paint company  
for a new generation.**MULTIPRIME®****97-680 Series****HPC/Industrial Maintenance****MULTIPRIME® Quick Dry Universal Primers****Generic Type**

Modified Alkyd

**General Description**

MULTIPRIME® primers are inhibitive metal primers for use on ferrous metal or aluminum substrates. They may be topcoated with a variety of topcoats including epoxy, vinyl, urethane or conventional finishes. They may also be used as a barrier coat over existing alkyd systems to allow topcoats with strong solvent containing topcoats.

**Recommended Uses**Aluminum  
Ferrous Metal**Features / Benefits**Fast Dry, less than 30 minutes  
Compatible with most industrial maintenance topcoats  
Corrosion inhibitive formula  
3.5 VOC compliant**Limitations of Use**

Not intended for residential use. Apply only when product, air and surface temperatures are above 40°F (5°C) and surface temperature is at least 5°F (3°C) above the dew point. These products are not recommended for immersion service. Do not use as a barrier coat or primer beneath AQUAPON® High Build Coatings. Do not apply products directly to new galvanized steel or old galvanized steel that has been cleaned by abrasive blast techniques. Do not apply over zinc rich primers.

**Tinting and Base Information**

Small amounts of MPD (4257 Line) colorants may be added to provide desired contrasts. Additions up to 4 oz. (118 ml) per gallon have no effect on dry or recoat times. Do not tint with 96 Line Custom Colorants.

97-680	White
97-689	Red Oxide

**Product Data**

<b>Gloss:</b>	Satin: Less than 25 (60°Gloss Meter)
<b>VOC*:</b>	3.45 lbs/gal 414.00 g/L
<b>Coverage:</b>	207 to 276 sq ft/gal (19 to 26 sq. m/3.78L)
<i>Note: Does not include loss due to varying application method, surface porosity, or mixing.</i>	
<b>DFT:</b>	3.0 minimum to 4.0 maximum
<b>Weight/Gallon*:</b>	11.8 lbs. (5.4 kg) +/- 0.2 lbs. (91 g)
<b>Volume Solids*:</b>	52.3% +/- 2%
<b>Weight Solids*:</b>	71.2% +/- 2%
<b>Clean-up:</b>	97-727 PPG Xylol Thinner or MEK

Results will vary by color, thinning and other additives.

\*Product data calculated on 97-680

**Drying Time:**

To Touch:	15 minutes
To Handle:	30 minutes
To Recoat:	30 minutes

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

<b>Flash Point:</b>	97-680 66°F, (18.9°C)
	97-689 61°F, (16°C)

## HPC/Industrial Maintenance

## MULTIPRIME® Quick Dry Universal Primers

## 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.

For use as a primer coat apply 3.0 to 4.0 mils dry, (5.8 to 7.8 mils wet).

For use as a barrier coat, apply 2.0 to 3.0 mils dry, (3.8 to 5.8 mils wet).

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

**FERROUS METAL OR ALUMINUM:** The minimum surface preparation for these substrates is SSPC-SP2 Hand Tool Cleaning or SSPC-SP3 Power Tool Cleaning. Improved service life may be obtained by the use of SSPC-SP6 (NACE Number 3) Commercial Blast Cleaning. Service life of coating is in direct proportion to surface preparation. The surface to be coated must be clean, dry, and well prepared to receive the coating.

HPC Systems in Detail Brochure (H10788) COATING SYSTEMS: 215-HD, 240-HD, 244-HD, 480-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 Mils :	5.8	minimum to	7.7	maximum
Wet Microns:	147.3	minimum to	195.6	maximum
Dry Mils :	3.0	minimum to	4.0	maximum
Dry Microns:	76.2	minimum to	101.6	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 gun, with 704 or 777 air cap with E tip and needle, or comparable equipment. Atomization Pressure: 55 - 70 Fluid Pressure: Can not specify, dependent on numerous factors.

**Airless Spray:** Pressure 1800 psi, tip 0.015" - 0.018"

**Brush:** High Quality Natural Bristle Brush

**Roller:** Not Recommended.

## Thinning:

DO NOT THIN IN VOC REGULATED AREAS. In non-regulated areas a small amount of 97-727 thinner may be added if material has thickened due to rapid solvent loss. Never exceed legal VOC limitations.

## Directions for Use

Mix thoroughly to suspend all pigment. Conventional air or airless spray application is 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 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

**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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