



HPC/Industrial Maintenance

MULTIPRIME® Low VOC Quick Dry Universal Primers

Generic Type

Modified Alkyd

General Description

MULTIPRIME® Low VOC 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 topcoating with strong solvent containing topcoats. FOR METAL SUBSTRATES ONLY.

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. Medium White (97-680) approximates color 517-3 in the PITTSBURGH® Paints VOICE OF COLOR SYSTEM®.

97-680	Medium White
97-689	Red Oxide

Recommended Uses

Aluminum
Ferrous Metal

Features / Benefits

Fast Dry, less than 30 minutes
Compatible with most industrial maintenance topcoats
Corrosion inhibitive formula

Limitations of Use

Apply only when temperatures are above 40°F (5°C) and surface temperature is at least 5°F (3°C) above the dew point. Not recommended for immersion service, as a barrier coat, or a primer beneath AQUAPON® High Build Coatings. Do not apply directly to new galvanized steel, old galvanized steel that has been cleaned by abrasive blast techniques, or over zinc rich primers. Latex products are not recommended as topcoats over these primers. Drying times listed may vary depending on temperature, humidity and air movement. DANGER: Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container. Refer to www.pittsburghpaints.com, Spontaneous Combustion Advisory for additional information.

Product Data

Gloss:	Satin: Less than 25 (60°Gloss Meter)
VOC*:	3.28 lbs/gal 393.60 g/L
Coverage:	216 to 287 sq ft/gal (20 to 27 sq. m/3.78L)
<i>Note: Does not include loss due to varying application method, surface porosity, or mixing.</i>	
DFT:	3.0 minimum to 4.0 maximum
Weight/Gallon*:	11.9 lbs. (5.4 kg) +/- 0.2 lbs. (91 g)
Volume Solids*:	53.8% +/- 2%
Weight Solids*:	72.4% +/- 2%
Clean-up:	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	

Flash Point:	97-680 66°F, (18.9°C)
	97-689 61°F, (16°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, 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). **WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

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 (H13095) COATING SYSTEMS: 240-HD, 244-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 :	5.6	minimum to	7.4	maximum
Wet Microns:	142.2	minimum to	188.0	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. Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

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:

Thinning is not required, though the product may be thinned 5% by volume with acetone to improve flow and leveling.

Directions for Use

Mix thoroughly to suspend all pigment. Conventional air or airless spray application is recommended. Explosion-proof equipment must be used when coating with these materials in confined areas. Keep containers closed and away from heat, sparks, and flames when not in use. **USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.** 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

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

Not all products are available in all sizes. All containers are not full-filled.

PPGAF believes the technical data presented 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 technical information, visit our web site or call 1-800-441-9695.



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