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.

MULTIPRIME® Low VOC Quick Dry Universal 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. 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)

Note: Does not include loss due to varying application method, surface porosity, or mixing.

- **DFT:** 3.0 minimum to 4.0 maximum
- **Weight/Gallon*: 11.9 lbs. (5.4 kg) +/- 0.2 lbs. (91 g)
- **Volume Solids*: 72.4% +/- 2%
- **Weight Solids*: 53.8% +/- 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)
**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)

**Application Information**

**Recommended Spread Rates:**

<table>
<thead>
<tr>
<th>Wet Mils</th>
<th>Wet Microns</th>
<th>Dry Mils</th>
<th>Dry Microns</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.6</td>
<td>142.2</td>
<td>3.0</td>
<td>76.2</td>
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<td>minimum</td>
<td>minimum</td>
<td>minimum</td>
<td>minimum</td>
</tr>
<tr>
<td>7.4</td>
<td>188.0</td>
<td>4.0</td>
<td>101.6</td>
</tr>
<tr>
<td>maximum</td>
<td>maximum</td>
<td>maximum</td>
<td>maximum</td>
</tr>
</tbody>
</table>

**Permissible temperatures during application:**

<table>
<thead>
<tr>
<th>Material</th>
<th>Ambient</th>
<th>Substrate</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 to 90°F</td>
<td>5 to 32°C</td>
<td>40 to 130°F</td>
</tr>
<tr>
<td>40 to 100°F</td>
<td>5 to 38°C</td>
<td>40 to 100°F</td>
</tr>
</tbody>
</table>

**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.

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

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