



HPC/Industrial Maintenance

Pitt-Tech® Plus Int./Ext. DTM Industrial Primer

**GENERAL DESCRIPTION**

Recommended for use on properly prepared interior or exterior metal surfaces, in light to moderate industrial climates for maintenance or new construction. Use wherever an easy to use, low VOC primer is required to prepare most metal surfaces. Enhances adhesion of the final finish. Can be used as a primer under Pitt-Tech® Plus topcoat products. **For Professional Use Only; Not Intended for Household Use.**

**RECOMMENDED USES**

Aluminum  
Ferrous Metal  
Galvanized Steel

**FEATURES AND BENEFITS**

- Excellent adhesion
- Low odor, low VOC primer
- Easy clean up
- Performance offsets to Federal Standards TT-P-1975, Mil-P-28577; Mil-P-53032
- Meets MPI Category #107, Rust Inhibitor Primer (Water Based)
- Can earn LEED NC Version 2.2 Credits

**MIXING AND APPLICATIONS INFORMATION**

Mix thoroughly before and during use.

**Permissible temperatures during application:**

Material: 10°C to 32°C  
Ambient: 4°C to 38°C  
Substrate: 4°C to 49°C

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

**Brush:** High Quality Polyester/Nylon Brush

**Roller:** 3/8" nap roller cover

**Airless Spray:** Pressure 1800 - 3150 psi, tip 0.013" to .0.019"

**Conventional Spray:** Fluid Nozzle: DeVilbiss 510 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.

**Thinning:** May be reduced up to 5% by volume with water for spray application. Thinning is not usually required for brush and roll. Excessive thinning or insufficient film thickness may cause rust staining. If rust staining occurs, apply an additional coat. Do not add oils, paint thinners, or any paint additives.

**TINTING AND BASE INFORMATION**

Refer to the appropriate colour formula book, automatic tinting equipment, and or computer colour matching system for colour formulas and tinting instructions.

90-908C	Red Oxide
90-909C	Gray Primer
90-912C	White Primer*

\*May be tinted to approximate colour of the topcoat.

**PRODUCT DATA**

**PRODUCT TYPE:** 100% Acrylic Formula

**GLOSS:** Flat

**VOC\*:** 90 g/L

**COVERAGE:** 14 to 29 sq. m per 3.78 L

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

**DFT:** 2.0 to 4.0 mils

**WEIGHT/GALLON\*:** 4.7 kg+/- 91g

**VOLUME SOLIDS\*:** 39.1% +/- 2%

**WEIGHT SOLIDS\*:** 51.2% +/- 2%

\*Product data calculated on 90-912C.

Wet Film Thickness: 5.1 to 10.2 mils

Wet Microns: 129.5 to 259.1

Dry Film Thickness: 2.0 to 4.0 mils

Dry Microns: 51.0 to 101.6

**IN SERVICE TEMP.:** Dry Heat 121°C

**DRYING TIME:** Dry time @ 25°C; 50% relative humidity.

To Touch: 15 minutes

To Handle: 30 minutes

To Recoat: 1 hour

Drying times listed may vary depending on temperature, humidity, film build, colour, and air movement.

**CLEANUP:** Soap and Water

**FLASH POINT:** Over 93°C

**PACKAGING**

3.78 L

18.9 L

**GENERAL SURFACE PREPARATION**

The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials. The service life of the coating is directly related to the surface preparation. Where appropriate bare areas should be primed with a suitable primer. Pitt-Tech® Plus Industrial Enamel Primers, 90-908, 90-909, 90-912, must be used on all bare metal substrates when using colors made from Pitt-Tech Plus Finishes in Midtone, Deeptone, and Deep Rustic bases. Remove and inhibit regrowth of mildew on exterior surfaces by using Mildew Check® Multi-Purpose Wash, 18-1. Before use, be sure to read and follow the instructions and warnings on the label. **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](http://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.

**FERROUS METAL:** Rust and other surface contaminants must be removed as per SSPC-SP2 Hand Tool or SSPC-SP3 Power Tool. Then the surface thoroughly cleaned to remove all other contaminants as per SSPC-SP1.

**ALUMINUM:** Solvent Clean per SSPC-SP1 to remove grease and oils.

**GALVANIZED STEEL:** Solvent Clean per SSPC-SP1 to remove grease and oils. If any oxidation (white rust) has formed, sand and remove all forms of contamination. If the galvanized has been passivated or stabilized, the surface must be abraded, i.e., Brush-Off Blast Clean per SSPC-SP7 or chemically treat the surface. Weathered galvanizing (2+ years of exterior weathering) must be thoroughly cleaned (power washed).

**RECOMMENDED TOPCOATS**

90-1310 Series  
90-1210 Series  
90-1110 Series

**LIMITATIONS OF USE**

**For Professional Use Only; Not Intended for Household Use.**

Apply only when air and surface temperatures are between 4°C - 38°C and surface temperature is at least 3°C above the dew point. Avoid exterior painting late in the day when dew or condensation are likely to form or if rain is expected. Two coats are required for maximum protection and durability if used as a finish coat. **PROTECT FROM FREEZING.** Do not use for immersion surfaces.

**SAFETY**

Proper safety procedures should be followed at all times while handling this product. **USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.** 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. Read all label and Material Safety Data Sheet for important health/safety information prior to use. MSDS are available through our website [www.ppghpc.com](http://www.ppghpc.com) or by calling 1-800-441-9695.

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