



High Performance Coatings

Pitt-Tech Plus EP DTM Acrylic Gloss

**GENERAL DESCRIPTION**

PPG Pitt-Tech Plus EP is the next generation of water-based, direct-to-metal acrylic coatings for interior/exterior use in commercial, institutional, and light industrial applications. PPG Pitt-Tech Plus EP offers valued protective performance qualities such as good abrasion, chemical, and corrosion resistance — all with the ease of soap and water clean-up. The fast-drying properties, versatility, and durability of PPG Pitt-Tech Plus EP finishes and primer make it ideal for a variety of new and maintenance uses.

**RECOMMENDED SUBSTRATES**

Concrete/Masonry	Gypsum Wallboard-Drywall
Concrete Block (CMU)	Plaster
Ferrous Metal	Wood
Galvanized Metal	

**CONFORMANCE STANDARDS**

Compliant with all US VOC regulations down to 100 g/L for the Industrial Maintenance Coating category  
MPI approved in categories 114, 119, 154 and 164

**FEATURES / BENEFITS**

- Direct-to-Metal (DTM)
- Low odor, low VOC
- Fast drying properties
- Flash rust/early rust resistant
- Good abrasion, chemical, and corrosion resistance
- Formulated to resist mildew growth on the paint film
- Washable and scrubbable

**PRODUCT INFORMATION**

90-1506	Safety Red*
90-1510	White/Pastel Base
90-1520	Midtone Base**
90-1530	Safety Yellow*
90-1540	Neutral Base**
90-1553	Black*
90-1560	Red Base**
90-1580	Yellow Base**

\*Do Not Tint - Ready To Use

\*\*Must be tinted before use. Refer to the appropriate color formula book, automatic tinting equipment, and or computer color matching system for color formulas and tinting instructions.

**PACKAGING**

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

Not all products available in all sizes.

**PRODUCT DATA**

<b>PRODUCT TYPE:</b>	100% Acrylic
<b>SHEEN:</b>	Gloss, 70-100 @ 60°
<b>VOLUME SOLIDS*:</b>	39% +/- 2%
<b>WEIGHT SOLIDS*:</b>	45% +/- 2%
<b>WEIGHT/GALLON*:</b>	10.4 lbs. (4.7 kg) +/- 0.2 lbs. (91 g)
<b>VOC:</b>	< 100 g/L (0.8 lbs./gal.)

\*Product data calculated on product 90-1510.

**COVERAGE:** Approximately 310 to 360 sq. ft. (29 to 33 sq. meters) per U.S. gallon (3.78 L) at 2 mils dry film thickness on primed, smooth, non-porous surfaces.

Wet Film Thickness:	4.5 to 5.2 mils
Wet Microns:	114 to 132
Dry Film Thickness:	1.8 to 2.0 mils
Dry Microns:	46 to 51

Actual coverage may vary depending on substrate and application method. Some colors, drastic color changes, or porous surfaces may require more than one coat to achieve a uniform finish.

**DRYING TIME:** At 70°F (21°C) and 50% relative humidity.

To Touch:	15 minutes
To Handle:	45 minutes
To Recoat:	45 minutes minimum

Low temperature, high humidity, thick films, or poor ventilation will increase these times. Very deep colors may require longer to fully cure.

**CLEANUP:** Clean tools with warm, soapy water.

**DISPOSAL:** Contact your local environmental regulatory agency for guidance on disposal of unused product. Do not pour down a drain or storm sewer.

**SERVICE TEMPERATURE:** Continuous - Up to 200°F (93°C)  
Intermittent - Up to 250°F (121°C)

**FLASH POINT:** Over 200°F (93°C)

Read Label and Safety Data Sheet prior to use. See other cautions on last page.

## GENERAL SURFACE PREPARATION

Coating performance is proportional to the degree of surface preparation. Surface must be clean and dry. Remove all loose, peeling paint, dirt, mildew, grease, oil, chalk, rust, and any other surface contaminants. Blistering and peeling issues are commonly caused by moisture behind the paint film. Problems leading to excessive moisture in the substrate must be repaired prior to painting. Putty all nail holes and caulk all cracks and open seams. Sand all glossy, rough, and patched surfaces. New concrete should age a minimum of 30 days. Etching with acid is usually not required, but is recommended for optimum performance over smoothly troweled or new concrete. If acid etching, follow manufacturer's recommendations. This product is self-priming in most applications. When applied to an uncoated substrate or to bare wood, two coats are required with the first coat acting as the primer.

**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). Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

**CONCRETE and MASONRY:** New concrete and masonry should cure for at least 30 days and preferably 90 days prior to priming and painting. Abrasive blast per ASTM D4259 or acid-etch in accordance with ASTM D4260, for optimum performance. Clean masonry surfaces by ASTM D4261. The pH of the substrate must be less than 10 before priming. Use of an alkali resistant primer is recommended. Painting glazed brick is not recommended due to potential adhesion problems.

**CONCRETE BLOCK (CMU):** Mortar should cure for at least 30 days and preferably 90 days prior to painting. Fill block with an appropriate block filler.

**FERROUS METAL:** Remove all rust, dirt, moisture, grease or other contaminants from the surface in accordance with SSPC SP-1. Power tool clean in accordance with SSPC SP-3 or hand tool clean to SSPC SP-2 requirements. Alternately, abrasive blast to SSPC SP-7 requirements. Abrasive blasting to SSPC SP-6 or better is also allowable and will give the best possible system performance. When using as a DTM finish without a primer, a minimum of two coats is recommended for best corrosion resistance.

**GALVANIZED METAL:** Remove oil or soap film with detergent or emulsion cleaner as per SSPC SP-1 and galvanizing requirements, then use a phosphatizing conversion coating. Alternately, power tool clean to uniformly abrade the surface or lightly abrasive blast with a fine abrasive to produce a uniform and dense anchor profile of 1.0-2.0 mils (25-51  $\mu\text{m}$ ) in accordance with SSPC SP-16. Galvanizing that has had at least 12 months of exterior weathering may be coated after power washing to remove all contaminants and white rust. Galvanized surfaces that have been passivated with a chromate treatment must be abrasive blasted. Coatings may not adhere to chromate sealed galvanizing if the chromates are not completely removed.

**GYPSUM WALLBOARD-DRYWALL:** Nails or screws should be countersunk, and they along with any indentations should be mudded flush with the surface, sanded smooth and cleaned to remove any dust prior to priming the substrate. Unsealed drywall will require at least 2 coats of this product.

**PLASTER:** Plaster, hardcoat, skim coat, or other alkaline surfaces should be allowed to cure for at least 30 days prior to priming and painting. The pH of the substrate must be less than 10 before priming. Use of an alkali resistant primer is recommended.

**WOOD:** Unpainted wood or wood in poor condition should be sanded smooth and wiped clean. Any knots or resinous areas must be sealed before painting. Countersink all nails, putty flush with surface, then prime. A wood primer or a first coat of this product may be used to prime the surface.

## RECOMMENDED PRIMERS

Product is self-priming in most applications, but other primers that can be used are:

Concrete/Masonry	4-603XI, 17-921XI
Concrete Block (CMU)	4-100XI, 6-15XI
Ferrous Metal	90-1908, 90-1909, 90-1912, Self-priming
Galvanized Metal	90-1908, 90-1909, 90-1912, Self-priming
Gypsum Wallboard-Drywall	6-2, 6-4, 9-900, 12-900XI, 17-921XI, Self-priming
Plaster	4-603XI, 17-921XI
Wood	6-2, 9-900, 12-900XI, 17-921XI, Self-priming

## LIMITATIONS OF USE

Apply only when air, surface, and product temperatures are between 40°F (4°C) and 90°F (32°C) and at least 5°F (3°C) above the dew point. Air and surface temperatures must remain between 40°F (4°C) and 90°F (32°C) for the next 24 hours. Avoid painting in direct sunlight or on hot surfaces. Do not apply late in the day when dew and condensation are likely to form or if rain or snow is expected.

While this product provides a mildew resistant coating, growth may still occur if the substrate is not properly prepared prior to painting and/or if the substrate is consistently exposed to conditions conducive to mold, mildew, and algae.

**PROTECT FROM FREEZING.**

## APPLICATION INFORMATION

Stir thoroughly before using and occasionally when in use. When using more than one can of the same color, intermix to ensure color uniformity. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. Read all label and Safety Data Sheet (SDS) information prior to use. SDS are available through our web site or by calling 1-800-441-9695.

**Application Equipment:** Apply with a high-quality brush, roller, paint pad, or by spray equipment. Where necessary, apply a second coat and allow each coat to dry thoroughly before applying the next coat.

**Airless Spray:** 28:1 pump or larger; pressure 1500 to 2500 psi; tip 0.013" to 0.017". 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.

**Air Spray:** Use standard conventional equipment; nozzle pressure 50 to 70 psi; nozzle orifice approximately 0.070".

**Brush:** Nylon/Polyester Brush; Multiple coats may be required to achieve specified film thickness.

**Roller (nap roller cover):** 3/8"; In hot or dry conditions, layoff lightly rolling with 3/8" nap roller cover. Multiple coats may be required to achieve specified film thickness.

**Thinning:** Thinning normally not required. Use tap water up to 5% by volume if thinning is desired. Over thinning may result in inadequate film thickness and subsequent pinpoint rusting.

**Permissible temperatures during application:**

Material:	40 to 90°F	4 to 32°C
Ambient:	40 to 90°F	4 to 32°C
Substrate:	40 to 90°F	4 to 32°C

## PRECAUTIONS

For warning information, please refer to the product label and SDS available at the online listing for this product at [www.pittsburghpaintsco.com](http://www.pittsburghpaintsco.com). Keep container tightly closed and sealed until ready for use. SDS, spill, and emergency information are available by calling 1-833-477-1553.

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