February 9, 2024 (Revision of February 9, 2024)

# PITT-TECH® PLUS EP ACRYLIC PRIMER/FINISH

## DESCRIPTION

One-component, low VOC, int./ext. DTM industrial primer

## PRINCIPAL CHARACTERISTICS

- Excellent adhesion
- Easy to apply
- Low odor during application
- Flash rust resistant

## COLOR AND GLOSS LEVEL

- Red Oxide Primer, White Primer/Finish, Gray Primer/Finish
- Flat

Note: White Primer/Finish may be tinted

## BASIC DATA AT 68°F (20°C)

| Data for product | |
|---|---|
| **Number of components** | One |
| **Volume solids** | 39 ± 3% |
| **VOC (Supplied)** | max. 0.4 lb/US gal (approx. 50 g/l) |
| **Temperature resistance (Continuous)** | To 200°F (93°C) |
| **Temperature resistance (Intermittent)** | To 250°F (121°C) |
| **Recommended dry film thickness** | 2.0 - 4.0 mils (50 - 100 µm) depending on system |
| **Theoretical spreading rate** | 313 $ft^2$/US gal for 2.0 mils (7.8 $m^2$/l for 50 µm) |
| **Shelf life** | At least 36 months when stored cool and dry |

Notes:
- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Curing time
- Two coats are required for maximum protection and for applications where this product is used as a finish coat
- Discoloration will occur at high temperatures

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Coating performance is proportional to the degree of surface preparation. Refer to the application instructions for specifc primers and intermediate coats for application and curing procedures. Ensure epoxies are free from amine blush prior to overcoating. All previous coats must dry and free of contaminants. Adhere to all minimum and maximum topcoat times for specific primers and intermediate coats. Aged epoxy coatings require abrading prior to applying the product. A test patch over unknown coatings is recommended.

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**Steel**

- 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

**Non-ferrous metals and galvanizing**

- 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 – 50 µm) 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.

**Concrete / Masonry**

- Clean concrete surface, abrasive blast per ASTM D4259 or acid-etch in accordance with ASTM D 4260
- Fill concrete voids with AMERCOAT 965 or AMERCOAT 114 A
- Clean masonry surfaces by ASTM D4261
- Fill masonry block with AMERLOCK 400 BF block filler or PPG 4-100 acrylic block filler

**Substrate temperature and application conditions**

- Surface temperature during application should be between 40°F (4°C) and 120°F (49°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point
- Ambient temperature during application and curing should be between 40°F (4°C) and 100°F (38°C)
- Relative humidity in excess of 85% will slow curing

**Warning**

Removal of old paint by sanding, scraping or other means may generate dust or fumes which contain lead. EXPOSURE TO LEAD DUST OR FUMES MAY CAUSE ADVERSE HEALTH EFFECTS, ESPECIALLY IN CHILDREN OR PREGNANT WOMEN. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment, such as a properly fitted and approved (e.g., NIOSHapproved) respirator and proper containment and cleanup. For additional information, contact the USEPA/Lead Information Hotline at 1-800-424-LEAD or the regional Health Canada office

## INSTRUCTIONS FOR USE

- Agitate with a power mixer for 1 – 2 minutes until completely dispersed. Ensure good off-bottom mixing

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**Application**
- Area should be sheltered from airborne particulates and pollutants
- Avoid combustion gases or other sources of carbon dioxide that may promote ambering of light colors
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns
- Avoid exterior painting late in the day or when dew or condensation are likely to form or if rain is expected

**Material temperature**
Material temperature during application should be between 50°F (10°C) and 90°F (32°C)

**Air spray**
- Use standard conventional equipment

**Recommended thinner**
Tap water

**Volume of thinner**
0 - 5%

**Nozzle orifice**
Approx. 0.070 in (1.8 mm)

**Nozzle pressure**
0.3 - 0.5 MPa (approx. 4 - 5 bar; 50 - 70 p.s.i.)

Note: Overthinning may result in inadequate film thickness and subsequent pinpoint rusting

**Airless spray**
- 28:1 pump or larger

**Recommended thinner**
Tap water

**Volume of thinner**
0 - 5%

**Nozzle orifice**
0.013 – 0.017 in (approx. 0.33 – 0.43 mm)

Note: Overthinning may result in inadequate film thickness and subsequent pinpoint rusting

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**Brush/roller**

- Use a high quality polyester/nylon brush and/or a high quality 3/8" nap roller. In hot or dry conditions, layoff lightly rolling with 3/8" nap roller cover. Multiple coats may be required to achieve specified film thickness

**Recommended thinner**
Tap water

**Volume of thinner**
0 – 5%

Note: Overthinning may result in inadequate film thickness and subsequent pinpoint rusting

**Cleaning solvent**
Soap and water

## ADDITIONAL DATA

| Overcoating interval for DFT up to 2.0 mils (51 µm ) | | | | |
|---|---|---|---|---|
| **Overcoating with...** | **Interval** | **50°F (10°C)** | **70°F (21°C)** | **90°F (32°C)** |
| itself | Minimum<br>Maximum | 6 hours<br>Unlimited | 1.5 hours<br>Unlimited | 1 hour<br>Unlimited |

Note: Overcoating times valid for a relative humidity of 50%

| Curing time for DFT up to 2.0 mils (51 µm ) | | |
|---|---|---|
| **Substrate temperature** | **Dry to touch** | **Dry to handle** |
| 50°F (10°C) | 60 minutes | 4 hours |
| 70°F (21°C) | 20 minutes | 1 hour |
| 90°F (32°C) | 12 minutes | 40 minutes |

Note: Curing times valid for a relative humidity of 50%

## DISCLAIMER

## SAFETY PRECAUTIONS

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets

# PITT-TECH® PLUS EP ACRYLIC PRIMER/FINISH

## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective and Marine Coatings to supply the same product on a worldwide basis. However, slight modification of the product is sometimes necessary to comply with local or national rules/circumstances. Under these circumstances an alternative product data sheet is used.

## REFERENCES

| | | |
|---|---|---|
| • CONVERSION TABLES | INFORMATION SHEET | 1410 |
| • EXPLANATION TO PRODUCT DATA SHEETS | INFORMATION SHEET | 1411 |
| • SAFETY INDICATIONS | INFORMATION SHEET | 1430 |
| • SAFETY IN CONFINED SPACES AND HEALTH SAFETY, EXPLOSION HAZARD – TOXIC HAZARD | INFORMATION SHEET | 1431 |

## WARRANTY

**PPG warrants (i) its title to the product, (ii) that the quality of the product conforms to PPG's specifications for such product in effect at the time of manufacture and (iii) that the product shall be delivered free of the rightful claim of any third person for infringement of any U.S. patent covering the product. THESE ARE THE ONLY WARRANTIES THAT PPG MAKES AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES, UNDER STATUTE OR ARISING OTHERWISE IN LAW, FROM A COURSE OF DEALING OR USAGE OF TRADE, INCLUDING WITHOUT LIMITATION, ANY OTHER WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life of the product, or one year from the date of the delivery of the product to the Buyer, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.**

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## AVAILABILITY

### Packaging

1-gallon and 5-gallon containers

| Product codes | Description |
|---|---|
| 90-1908 | Red Oxide |
| 90-1909* | Gray Primer/Finish |
| 90-1912* | White Primer/Finish |

Note: *Recommended for Galvanized Substrate