

# PITT-TECH PLUS 4020 PF

## DESCRIPTION

One-component, waterborne acrylic primer/finish

## PRINCIPAL CHARACTERISTICS

- Rust Inhibitive direct-to-metal (DTM) primer and finish
- Ideal for structural steel, tank exteriors, piping and equipment
- Interior or Exterior steel, galvanized steel and masonry
- Flash rust resistant
- Fast drying properties

## COLOR AND GLOSS LEVEL

- Red, white
- Flat

## BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	44 ± 2%
VOC (Supplied)	max. 0.8 lb/US gal (approx. 91 g/l)
Temperature resistance	To 190°F 88°C)
Recommended dry film thickness	2.2 - 3.5 mils (56 - 89 µm) depending on system
Theoretical spreading rate	321 ft <sup>2</sup> /US gal for 2.2 mils (7.9 m <sup>2</sup> /l for 56 µm)
Shelf life	At least 24 months when stored cool and dry

### Notes:

- See ADDITIONAL DATA - Overcoating intervals
- See ADDITIONAL DATA - Curing time

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### Steel

- Coating performance is proportional to the degree of surface preparation. All previous coats must dry and free of contaminants
- Remove all rust, dirt, moisture, grease or other contaminants from the surface
- Abrasive blast cleaning to SSPC SP-6 standards will give optimum performance
- Where abrasive blasting is not practical, power tool cleaning in accordance with SSPC SP-3 or hand tool cleaning to SSPC SP-2 requirements is acceptable

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## **Galvanizing**

- Degrease to SSPC SP-1 and remove any white corrosion products by hand abrasion
  - Galvanizing that has had at least 12 months of exterior weathering may be coated after power washing to remove all contaminants and white rust
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## **Concrete / Masonry**

- Cure at least 30 days before painting
  - pH must be 10.0 or lower
  - Remove all rust, dirt, moisture, grease or other contaminants from the surface
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## **Aluminum**

- Degrease to SSPC SP-1 and remove any white corrosion products by hand abrasion
  - Self prime.
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## **Substrate temperature and application conditions**

- Surface temperature during application should be between 50°F (10°C) and 100°F (38°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 10°C (50°F) and 38°C (100°F)
  - Relative humidity during application should be above 0% and below 85%
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## **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., NIOSH approved) 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

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## **SYSTEM SPECIFICATION**

- Primers: Direct to metal. Fill block with latex block filler BLOXFIL 4000
- Topcoats: PITT-TECH PLUS 4020 PF, PITT-TECH PLUS 4216 HP

Note: Consult your sales representative for additional topcoat offerings

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## **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
- Ensure good ventilation during application and curing
- Provide shelter to prevent wind from affecting spray patterns

## **Material temperature**

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

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## **Air spray**

- Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line are recommended.

## **Recommended thinner**

No thinner should be added

## **Nozzle orifice**

Approx. 0.070 in (1.8 mm)

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## **Airless spray**

- 30:1 pump or larger
- Adjust pump pressure as needed

## **Recommended thinner**

No thinner should be added

## **Nozzle orifice**

0.015 – 0.017 in (approx. 0.38 – 0.43 mm)

Note: Adjust pump pressure as needed

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## **Brush/roller**

- Use a high quality natural bristle brush and/or solvent resistant, 3/8" nap roller. Ensure brush/roller is well loaded to avoid air entrainment. Multiple coats may be necessary to achieve adequate film-build

## **Recommended thinner**

No thinner should be added

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## **Cleaning solvent**

Soap and water

Note: All application equipment must be cleaned immediately after use



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## ADDITIONAL DATA

Overcoating interval for DFT up to 2.0 mils (51 µm)		
Overcoating with...	Interval	77°F (25°C)
itself	Minimum	2 hours
	Maximum	Extended

### Notes:

- Overcoating times valid for a relative humidity of 50%
- Drying times may vary depending on temperature, humidity, and air movement

Curing time for DFT up to 2.0 mils (51 µm)		
Substrate temperature	Dry to touch	Dry hard
77°F (25°C)	30 minutes	2 hours

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

## Product Qualifications

- Meets MPI Category #134, Primer, Galvanized, water based
- Compliant with USDA Incidental Food Contact Requirements

## DISCLAIMER

- For professional use only. Not for household use

## SAFETY PRECAUTIONS

- See Safety Data Sheet and product label for complete safety and precaution requirements

## 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](http://www.pittsburghpaints.com), Spontaneous Combustion Advisory for additional information

## 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

- EXPLANATION TO PRODUCT DATA SHEETS

INFORMATION SHEET

1411

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## 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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## LIMITATIONS OF LIABILITY

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## AVAILABILITY

### Packaging

1-gallon and 5-gallon kits

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