PITT-TECH PLUS 4020 PF/DEVFLEX 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 ft²/US gal for 2.2 mils (7.9 m²/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

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

Aluminum

- Degrease to SSPC SP-1 and remove any white corrosion products by hand abrasion
- Self prime.

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%

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

SYSTEM SPECIFICATION

- Primers: Direct to metal. Fill block with latex block filler BLOXFIL 4000
- Topcoats: Pitt-Tech Plus/Devflex 4020 PF, Pitt-Tech Plus/Devflex 4216 HP

Note: Consult your sales representative for additional topcoat offerings

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)

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)

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

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

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

DISCLAIMER

- For professional use only. Not for household use

SAFETY PRECAUTIONS

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

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

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.

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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

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AVAILABILITY

Packaging

1-gallon and 5-gallon kits