

PITT-TECH PLUS 4216 HP

DESCRIPTION

One-component, high performance waterborne acrylic semi-gloss enamel

PRINCIPAL CHARACTERISTICS

- Direct-to-Metal (DTM) to steel and aluminum
- Interior-Exterior commercial, institutional, and industrial
- Interior-Exterior primed galvanized metal, wood and masonry
- Fast drying properties
- Non-yellowing
- Excellent resistance to oil and grease
- Good abrasion resistance
- Hand oil resistance

COLOR AND GLOSS LEVEL

- White, safety colors and custom colors
- Semi-gloss

BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	36 ± 2%
VOC (Supplied)	max. 0.8 lb/US gal (approx. 91 g/l)
Temperature resistance	To 190°F 88°C)
Recommended dry film thickness	1.5 - 4.0 mils (38 - 100 µm) depending on system
Theoretical spreading rate	385 ft ² /US gal for 1.5 mils (9.4 m ² /l for 38 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, in general, proportional to the degree of surface preparation
- 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
- When using as a DTM finish without a primer, a minimum of two coats is recommended for best corrosion resistance



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Galvanized steel

- Degrease to SSPC SP-1 and remove any white corrosion products by hand abrasion
 - Prime with PITT-TECH PLUS 4020 PF and allow to dry overnight
 - Consult relevant primer data sheet for surface preparation requirements
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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
 - Consult relevant primer data sheet for surface preparation requirements
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Exterior wood

- Spot prime pine knots with HYDROSEALER 6001 primer
 - Prime entire surface with HYDROSEALER 6001 primer
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Dry wall

- Prime with SPEEDHIDE sealer
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Interior wood

- Set nails and fill holes with latex spackle
 - Sand smooth and dust clean
 - Self prime.
 - Do not use this product with lacquer undercoats
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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

SYSTEM SPECIFICATION

- Primers: Pitt-Tech Plus/Devflex 4020 PF, Multiprime/Devguard 4160, Fast Dry/Devguard 4180, Multiprime/Devguard 4360, HYDROSEALER 6001, GRIPPER 3210 and HI-HIDE 1000 Wall Primer
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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)

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)

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)	N/A	24 hours

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

Product Qualifications

- Meets MPI Category #153, Interior W.B. Light Industrial Coating

DISCLAIMER

- For professional use only. Not for household use. Do not use under alkyd or oil-based paints

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

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AVAILABILITY

Packaging

1-gallon and 5-gallon kits

