December 4, 2019 (Revision of April 19, 2018)

HPC RUST PREVENTATIVE 4309

DESCRIPTION

One-component, rust preventative high-gloss alkyd enamel

PRINCIPAL CHARACTERISTICS

- Rust Inhibitive interior / exterior gloss enamel
- Offers a tough, durable finish for residential and commercial applications
- Ideal for safety equipment and pipe identification
- For application to metal surfaces only
- Good abrasion resistance
- Protects against atmospheric corrosion
- Excellent resistance to oil and grease

COLOR AND GLOSS LEVEL

- White, custom and ready-mix colors
- Gloss

BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	52 ± 2%
VOC (Supplied)	max. 3.2 lb/US gal (approx. 379 g/l)
Recommended dry film thickness	1.6 - 2.0 mils (41 - 50 µm) depending on system
Theoretical spreading rate	521 ft^2/US gal for 1.6 mils (13.0 m^2/l for 41 µm)
Shelf life	At least 12 months when stored cool and dry

Notes:
- See ADDITIONAL DATA – Overcoating intervals
- See ADDITIONAL DATA – Curing time

RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

Steel

- 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
- Prime with a recommended primer

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Galvanized and aluminum

- Ensure that the surface is clean and is free of any white zinc salts
- Prime galvanized steel with MULTIPRIME 4360
- Prime aluminum with MULTIPRIME 4360

Previously painted surfaces

- Wash to remove contaminants
- Remove loose paint
- Rinse thoroughly with water and allow to dry
- Scrub heavily chalked exterior areas and overhead areas such as eaves with soap and water
- All existing mildew must be removed by washing with a solution of 16 oz (473 mil) liquid household bleach and 2 oz (59 ml) non-ammoniated liquid detergent per gallon (3.785 L) of water. Rinse surfaces clean with water and allow to dry for 24 hours
- All areas failed by rusting, peeling, blistering, etc. must be wire brushed and scraped to remove all loose or loosely adhering material
- Prime bare areas with primer specified under new surfaces
- For optimum performance in more corrosive areas, entire surface should be abrasive blast cleaned and primed with either this product or MULTIPRIME 4360
- Surfaces in good condition generally may be done with one coat of this product

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 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 or MULTIPRIME 4360

INSTRUCTIONS FOR USE

- Inspect the top surface and remove any “skins” that may have formed on top
- 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
0.013 – 0.015 in (approx. 0.33 – 0.38 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
PPG Thinner 20-05/Amercoat 15

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ADDITIONAL DATA

Overcoating interval for DFT up to 1.6 mils (40 µm)		
Overcoating with...	**Interval**	**77°F (25°C)**
itself	Minimum	16 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 1.6 mils (40 µm)		
Substrate temperature	**Dry to touch**	**Dry hard**
77°F (25°C)	6 hours	24 hours

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

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.

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