

# MULTIPRIME 4160

## DESCRIPTION

One-component, multi-purpose tank and structural primer

## PRINCIPAL CHARACTERISTICS

- Rust Inhibitive interior/exterior alkyd primer
- Ideal for structural steel, tank exteriors, piping and equipment
- May be topcoated on ferrous metal with epoxy and polyurethane coatings as well as conventional alkyds and latex products
- Fast drying properties
- Lead and chromate free

## COLOR AND GLOSS LEVEL

- Gray, White, Red
- Flat

## BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	51 ± 2%
VOC (Supplied)	max. 3.5 lb/US gal (approx. 418 g/l)
Recommended dry film thickness	2.0 - 2.5 mils (50 - 64 µm) depending on system
Theoretical spreading rate	409 ft <sup>2</sup> /US gal for 2.0 mils (10.2 m <sup>2</sup> /l for 50 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

- Coating performance is, in general, proportional to the degree of surface preparation

### Steel

- 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



# MULTIPRIME 4160

## **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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## **Substrate temperature and application conditions**

- Surface temperature during application should be between 50°F (10°C) and 120°F (49°C)
- Surface temperature during application should be at least 5°F (3°C) above dew point
- Relative humidity during application and curing should not exceed 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
- Topcoats: HPC RUST PREVENTATIVE ALKYD 4306, HPC INDUSTRIAL ALKYD 4308, HPC INDUSTRIAL ALKYD 4308H, PITT-TECH PLUS 4216 HP, UNI-GRIP 4380, UNI-GRIP 4382, consult PPG Technical Sales for additional options

Note: Consult your sales representative for additional topcoat offerings

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## **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

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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)



# MULTIPRIME 4160

### **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 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**

No thinner should be added

### **Cleaning solvent**

Paint Thinner (laquer thinner/mineral spirits) or PPG Thinner 21-06/65 Thinner

### **ADDITIONAL DATA**

<b>Overcoating interval for DFT up to 2.0 mils (51 µm )</b>		
<b>Overcoating with...</b>	<b>Interval</b>	<b>77°F (25°C)</b>
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

<b>Curing time for DFT up to 2.0 mils (51 µm )</b>		
<b>Substrate temperature</b>	<b>Dry to touch</b>	<b>Dry hard</b>
70°F (21°C)	20 minutes	1 hour

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



# MULTIPRIME 4160

## Product Qualifications

- Meets MPI Category #23, Primer, Metal, Surface Tolerant
- Meets MPI Category #76, Primer, Alkyd, Quick Dry, for Metal
- Meets MPI category #79, Primer, alkyd, Anti-Corrosive for metal

## 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](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

• 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.

# MULTIPRIME 4160

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## AVAILABILITY

### Packaging

1-gallon and 5-gallon kits

