

MULTIPRIME 4160/DEVGUARD 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 ² /US gal for 2.0 mils (10.2 m ² /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/DEVGUARD 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

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%

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: Direct to metal
- Topcoats: HPC Rust Preventative Alkyd/Devguard 4306, HPC Industrial Alkyd/Devguard 4308, HPC Industrial alkyd/Devguard 4308H, Pitt-Tech Plus/Devflex 4216 HP, UNIGRIP 4380, UNIGRIP 4382, consult PPG Technical Sales for additional options

Note: Consult your sales representative for additional topcoat offerings

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

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

MULTIPRIME 4160/DEVGUARD 4160

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 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

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



MULTIPRIME 4160/DEVGUARD 4160

Curing time for DFT up to 2.0 mils (51 µm)

Substrate temperature	Dry to touch	Dry hard
70°F (21°C)	20 minutes	1 hour

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

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, 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



MULTIPRIME 4160/DEVGUARD 4160

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.

LIMITATIONS OF LIABILITY

IN NO EVENT WILL PPG BE LIABLE UNDER ANY THEORY OF RECOVERY (WHETHER BASED ON NEGLIGENCE OF ANY KIND, STRICT LIABILITY OR TORT) FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES IN ANY WAY RELATED TO, ARISING FROM, OR RESULTING FROM ANY USE MADE OF THE PRODUCT. The information in this sheet is intended for guidance only and is based upon laboratory tests that PPG believes to be reliable. PPG may modify the information contained herein at any time as a result of practical experience and continuous product development. All recommendations or suggestions relating to the use of the PPG product, whether in technical documentation, or in response to a specific inquiry, or otherwise, are based on data, which to the best of PPG's knowledge, is reliable. The product and related information is designed for users having the requisite knowledge and industrial skills in the industry and it is the end-user's responsibility to determine the suitability of the product for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. PPG has no control over either the quality or condition of the substrate, or the many factors affecting the use and application of the product. Therefore, PPG does not accept any liability arising from any loss, injury or damage resulting from such use or the contents of this information (unless there are written agreements stating otherwise). Variations in the application environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results. This sheet supersedes all previous versions and it is the Buyer's responsibility to ensure that this information is current prior to using the product. Current sheets for all PPG Protective & Marine Coatings Products are maintained at www.ppgpmc.com. The English text of this sheet shall prevail over any translation thereof.

AVAILABILITY

Packaging

1-gallon and 5-gallon kits

The PPG logo, and all other PPG marks are property of the PPG group of companies. All other third-party marks are property of their respective owners.

