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)

<table>
<thead>
<tr>
<th>Data for product</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of components</td>
<td>One</td>
</tr>
<tr>
<td>Volume solids</td>
<td>51 ± 2%</td>
</tr>
<tr>
<td>VOC (Supplied)</td>
<td>max. 3.5 lb/US gal (approx. 418 g/l)</td>
</tr>
<tr>
<td>Recommended dry film thickness</td>
<td>2.0 - 2.5 mils (50 - 64 µm) depending on system</td>
</tr>
<tr>
<td>Theoretical spreading rate</td>
<td>409 ft²/US gal for 2.0 mils (10.2 m²/l for 50 µm)</td>
</tr>
<tr>
<td>Shelf life</td>
<td>At least 12 months when stored cool and dry</td>
</tr>
</tbody>
</table>

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
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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

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., 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

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)

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**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

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**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

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**Cleaning solvent**
Paint Thinner (lacquer thinner/mineral spirits) or PPG Thinner 21-06/65 Thinner

**ADDITIONAL DATA**

<table>
<thead>
<tr>
<th>Overcoating interval for DFT up to 2.0 mils (51 μm)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Overcoating with...</td>
<td>Interval</td>
</tr>
<tr>
<td>Itself</td>
<td>Minimum</td>
</tr>
<tr>
<td></td>
<td>Maximum</td>
</tr>
</tbody>
</table>

Notes:
- Overcoating times valid for a relative humidity of 50%
- Drying times may vary depending on temperature, humidity, and air movement
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Curing time for DFT up to 2.0 mils (51 µm)

<table>
<thead>
<tr>
<th>Substrate temperature</th>
<th>Dry to touch</th>
<th>Dry hard</th>
</tr>
</thead>
<tbody>
<tr>
<td>70°F (21°C)</td>
<td>20 minutes</td>
<td>1 hour</td>
</tr>
</tbody>
</table>

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
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WARRANTY

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AVAILABILITY

Packaging
1-gallon and 5-gallon kits