

# FAST DRY 4180

## DESCRIPTION

Quick Dry Universal Primer/Finish

## PRINCIPAL CHARACTERISTICS

- Fast drying
- Corrosion resistant in normal atmospheric conditions
- May be topcoated with high performance coatings
- Low odor during application
- Compliant with OTC VOC regulations
- Contains no organic HAPs

## COLOR AND GLOSS LEVEL

- Eggshell
- Gray, White, Red, Black

## BASIC DATA AT 20°C (68°F)

Data for mixed product	
Number of components	One
Volume solids	54 ± 2%
VOC (Supplied)	max. 339.0 g/l (approx. 2.8 lb/US gal)
Recommended dry film thickness	2.0 - 4.0 mils (50 - 100 µm) per coat
Theoretical spreading rate	433 ft <sup>2</sup> /US gal for 2.0 mils (10.6 m <sup>2</sup> /l for 50 µm)
Shelf life	At least 12 months when stored cool and dry

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

- Steel : Coating performance is proportional to the degree of surface preparation. Remove all rust, dirt, moisture, grease, or other contaminants from the surface. Abrasive blast to SSPC SP-6 standards with a 1.0-2.5 mil anchor profile for best performance. Where abrasive blasting is not practical, power tool cleaning in accordance with SSPC SP-3 or hand tool cleaning in accordance with SSPC SP-2 is acceptable.
- Aluminum : Remove oils and dirt by solvent cleaning with Prep 88 Cleaner or other suitable cleaner, followed by thorough water rinsing. Apply a test patch of Fast Dry 4180. Allow to dry and cure at least one week before testing adhesion per ASTM D3359. If the adhesion is poor, prepare the surface by brush blasting per SSPC SP-16 guidelines.
- Previously Painted Surfaces : Wash to remove contaminants. Rinse thoroughly with water and allow to dry. Sanding is not required if the surface is properly and thoroughly cleaned (scuff sanding is required only on glossy, hard, slick, or dense surfaces which are subject to high levels of moisture.). Remove loose paint. 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 ml) 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. Prime bare areas with Fast Dry 4180.



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## **Substrate temperature**

- Substrate 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
  - 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 substrate
  - Topcoats: HPC Rust Preventative Alkyd, HPC Industrial Alkyd, HPC Industrial Alkyd, Pitt-Tech Plus, UNIGRIP 4380, UNIGRIP 4382, consult PPG Technical Sales for additional options
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## **INSTRUCTIONS FOR USE**

- Inspect the top surface and remove any “skins” that may have formed on top
  - Mix with a pneumatic air mixing at moderate speeds to homogenize the container
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## **Material temperature**

Material temperature during application should be between 50°F (10°C) and 90°F (32°C)

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## **Air spray**

- A 0.070" fluid orifice is recommended. Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line is recommended.

## **Recommended thinner**

No thinner should be added

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## **Airless spray**

- 30:1 pump or larger
- Hoses should normally be kept as short as possible
- Use a 0.015-0.017" spray tip
- Adjust pump pressure as needed

## **Recommended thinner**

No thinner should be added

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## Brush/roller

- Use a high quality natural bristle brush and/or solvent resistant, 1/4" 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 extra thinner needed

## Cleaning solvent

Use lacquer thinner or mineral spirits

## ADDITIONAL DATA

Overcoating interval for DFT up to 2.0 mils (51 µm )					
Overcoating with...	Interval	40°F (4°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
Itself and recommended topcoats	Minimum	2 hours	1.5 hours	45 minutes	20 minutes
	Maximum	Extended	Extended	Extended	Extended

Curing time for DFT up to 2.0 mils (51 µm )		
Substrate temperature	Dry to touch	Dry to handle
40°F (4°C)	25 minutes	2 hours
77°F (25°C)	20 minutes	1 hour

## 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.

## 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.



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## LIMITATIONS OF LIABILITY

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## AVAILABILITY

### Packaging

1-gallon and 5-gallon containers

