#### **DESCRIPTION**

Two-component, moisture curing urethane zinc primer

#### PRINCIPAL CHARACTERISTICS

- >80% zinc in dry film
- VOC Compliant <2.8 lb/ gal</li>
- · Provides outstanding corrosion resistance

#### **COLOR AND GLOSS LEVEL**

- · Green, red
- Flat

## BASIC DATA AT 68°F (20°C)

Data for mixed product	
Number of components	Two
Volume solids	62 ± 2%
VOC (Supplied)	max. 2.8 lb/US gal (approx. 336 g/l)
Recommended dry film thickness	2.0 - 4.0 mils (50 - 100 μm) depending on system
Theoretical spreading rate	497 ft²/US gal for 2.0 mils (12.4 m²/l for 50 μm)
Shelf life	Base: at least 12 months when stored cool and dry Powder: at least 24 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 proportional to the degree of surface preparation. All previous coats must dry and free of contaminants

## **Steel**

- Abrasive blast with an angular abrasive to an SSPC SP-6 or higher. Achieve a surface profile of 1.0 3.0 mils (25 75 μm)
- Higher surface profiles up to 4.0 mils (100 μm) are accepatble, but the product must be applied in a thickness great enough to achieve a minimum of 2.5 mils (64 μm) dry film tickness (above the peaks of the profile)
- Apply this product as soon as possible to prevent blasted surface from rusting.
- · Keep moisture, oil, grease, or other organic matter off surface before coating
- For touch up and repair, power tool cleaning in accordance with SSPC SP-11 is acceptable

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#### 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 40% and below 90%

#### 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, can be used to touch up inorganic zincs such as DIMETCOTE 9-SERIES
- PITTHANE Ultra, PITTGUARD Epoxies, DURETHANE DTM, AMERSHIELD, PSX 700, AMERCOAT 450H, AMERLOCK 2/400, AMERCOAT 385, AMERCOAT 370, PSX One

#### **INSTRUCTIONS FOR USE**

- · Only mix full kits
- Pre-mix base component with a pneumatic air mixer at moderate speeds to homogenize the container. Add powder
  component slowly under agitation until fully mixed. Strain the mixture from one container to another through a 30 mesh
  filter/strainer to remove any undispersed lumps.
- · Maintain agitation as needed throughout application to prevent settling of the zinc

## Pot life

6 hours at 70°F (21°C)

Note: See ADDITIONAL DATA - Pot life

### **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)

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## **Air spray**

- · Use standard conventional equipment
- · Separate air and fluid pressure regulators and a moisture and oil trap in the main air supply line are recommended.

#### Recommended thinner

PPG THINNER 21-06 (AMERCOAT 65), PPG THINNER 21-25 (AMERCOAT 101) (recommended for >90°F)

### Volume of thinner

0 - 10%

#### **Nozzle orifice**

Approx. 0.070 in (1.8 mm)

## Airless spray

• 45:1 pump or larger

#### **Recommended thinner**

PPG THINNER 21-06 (AMERCOAT 65), PPG THINNER 21-25 (AMERCOAT 101) (recommended for >90°F)

#### Volume of thinner

0 - 5%

## **Nozzle orifice**

0.017 in (approx. 0.43 mm)

#### **Brush/roller**

- Use a high quality natural bristle brush. Ensure brush is well loaded to avoid air entrainment. Brush application is limited to small touch up areas of a few square inches
- · Roller application is not recommended

## **Recommended thinner**

PPG THINNER 21-06 (AMERCOAT 65), PPG THINNER 21-25 (AMERCOAT 101) (recommended for >90°F)

#### Volume of thinner

0 - 5%

## **Cleaning solvent**

PPG THINNER 90-58 (AMERCOAT 12 CLEANER) or PPG THINNER 21-06 (AMERCOAT 65)

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#### **ADDITIONAL DATA**

Overcoating interval for	Overcoating interval for DFT up to 3.0 mils (75 µm)				
Overcoating with	Interval	40°F (4°C)	50°F (10°C)	70°F (21°C)	90°F (32°C)
various epoxy coatings, polyurethane coatings, and PSX	Minimum Maximum	36 hours 6 months	12 hours 6 months	6 hours 6 months	4 hours 6 months

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

Curing time for DFT up to 3.0 mils (75 µm)		
Substrate temperature	Dry to touch	Dry to handle
40°F (4°C)	9 hours	24 hours
50°F (10°C)	3 hours	8 hours
70°F (21°C)	1.5 hours	4 hours
90°F (32°C)	45 minutes	2.5 hours

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

Pot life (at application viscosity)		
Mixed product temperature	Pot life	
50°F (10°C)	12 hours	
70°F (21°C)	6 hours	
90°F (32°C)	3 hours	

## **Product Qualifications**

- SSPC Paint 20, Type II, Level 2
- RCSC Class B slip coefficient for high strenght bolted connections
- · Zinc dust meets ASTM D520 type 2 standards

## **DISCLAIMER**

· For industrial or professional use only

## **SAFETY PRECAUTIONS**

- For paint and recommended thinners see INFORMATION SHEETS 1430, 1431 and relevant Material Safety Data Sheets
- This is a solvent-borne paint and care should be taken to avoid inhalation of spray mist or vapor, as well as contact between the wet paint and exposed skin or eyes

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#### 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 -	INFORMATION SHEET	1431
	TOXIC HAZARD		

#### **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**

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this sheet shall prevail over any translation thereof.

## **AVAILABILITY**

## **Packaging**

5-gallon kits

Do not mix components of different kit sizes.

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Product codes	Description
97-699GR	Green Base component
97-699RD	Red Base component
97-699P	Zinc Powder component

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