

# 7-LINE® | 7-852, 7-858 SERIES

## DESCRIPTION

One-component, interior/exterior rust inhibitive steel primer

## PRINCIPAL CHARACTERISTICS

- Rust inhibitive formulation
- Durable, interior/exterior primer

## COLOR AND GLOSS LEVEL

- Red, white
- Flat

## BASIC DATA AT 68°F (20°C)

Data for product	
Number of components	One
Volume solids	56 ± 3%
VOC (Supplied)	max. 2.8 lb/US gal (approx. 330 g/l)
Recommended dry film thickness	1.5 - 3.0 mils (38 - 75 µm) depending on system
Theoretical spreading rate	599 ft <sup>2</sup> /US gal for 1.5 mils (14.7 m <sup>2</sup> /l for 38 µm)
Shelf life	At least 36 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. Refer to the application instructions for specific primers and intermediate coats for application and curing procedures. Ensure epoxies are free from amine blush prior to overcoating. All previous coats must dry and free of contaminants. Adhere to all minimum and maximum topcoat times for specific primers and intermediate coats. Aged epoxy coatings require abrading prior to applying the product. A test patch over unknown coatings is recommended.

### Steel

- Remove all surface contaminants, oil and grease in accordance with SSPC SP-1
- Power tool clean in accordance with SSPC SP-3 or hand tool clean to SSPC SP-2 requirements
- Light abrasive blasting to SSPC SP-6 or better, to achieve a blast profile of 0.5 – 1.5 mils (13 – 38 µm) is also allowable and will give the best possible system performance



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## **Substrate temperature and application conditions**

- Surface temperature during application should be between 50°F (10°C) and 125°F (52°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 50°F (10°C) and 100°F (38°C)
- 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**

- Topcoats: 7-LINE SERIES alkyds, AMERCOAT 5400-Series, PITT-TECH PLUS Series

## **INSTRUCTIONS FOR USE**

- If material has skinned over, gently remove
- Strain to remove any skin particles prior to agitation
- 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

## **Material temperature**

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

## **Air spray**

- Use standard conventional equipment
- Ensure there is a moisture and oil trap in the main air line

## **Recommended thinner**

No thinner should be added

## **Nozzle orifice**

Approx. 0.070 in (1.8 mm)

## **Nozzle pressure**

Atomizing pressure 35 - 40 p.s.i. (2.5 - 3.0 bar); Fluid pressure 20 p.s.i. (1.5 bar)



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**Airless spray**

- 30:1 pump or larger

**Recommended thinner**

No thinner should be added

**Nozzle orifice**

0.015 – 0.017 in (approx. 0.38 – 0.43 mm)

**Nozzle pressure**

12.4 - 13.8 MPa (approx. 124 - 138 bar; 1800 - 2000 p.s.i.)

**Brush/roller**

- Use a high quality natural bristle brush and/or solvent resistant, 1/4" or 3/8" 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 thinner should be added

**Cleaning solvent**

Mineral spirits

**ADDITIONAL DATA**

Overcoating interval for DFT up to 2.0 mils (51 µm )				
Overcoating with...	Interval	50°F (10°C)	70°F (21°C)	90°F (32°C)
Itself and recommended topcoats	Minimum	24 hours	12 hours	8 hours
	Maximum	Unlimited	Unlimited	Unlimited

Note: Allow double the recommended dry time prior to applying water-borne topcoats

Curing time for DFT up to 2.0 mils (51 µm )		
Substrate temperature	Dry to touch	Dry to handle
50°F (10°C)	18 hours	24 hours
70°F (21°C)	8 hours	20 hours
90°F (32°C)	5 hours	12 hours

**Product Qualifications**

- Performance offset to Federal Standards TT-P-636, TT-P-654 and TT-P-1385



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## 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

## 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.

## LIMITATIONS OF LIABILITY

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## AVAILABILITY

### **Packaging**

1-gallon and 5-gallon kits

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Product codes	Description
7-852	White
7-858	Red

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