

# PPG VERSAFLEX® 901 Steel Primer

formerly sold as VersaFlex® PW-1 Steel Primer

## DESCRIPTION

One-component primer designed for steel and metal

## PRINCIPAL CHARACTERISTICS

- Easy application
- Primer for polyurea coating systems
- Low viscosity
- Suitable for interior and exterior use
- Helps to temporarily hold back flash rust
- TYPICAL USES:
- Steel and metal surfaces

## COLOR AND GLOSS LEVEL

- Amber
- Semi-gloss

## BASIC DATA AT 77°F (25°C)

Data for product	
Number of components	One
Mass density	9.3 lb/US gal (1.1 kg/l)
Volume solids	25%
VOC (Supplied)	max. 6.9 lb/US gal (approx. 833 g/l)
Theoretical spreading rate	400 - 500 ft <sup>2</sup> /US gal (9.8 - 12.3 m <sup>2</sup> /l) per coat
Dry to touch	1 hour
Overcoating Interval	Minimum: 1 hour Maximum: 24 hours
Shelf life	At least 12 months when stored cool and dry

Notes:

- Curing times will be longer for lower temperatures
- If overcoat time is exceeded, a light recoat of 1 - 2 mils WFT (25 - 50 µm) is required
- Material should be stored in dry conditions, out of direct sunlight, in unopened original factory containers, at temperatures above 55°F (13°C) and below 95°F (35°C).



# PPG VERSAFLEX® 901 Steel Primer

formerly sold as VersaFlex® PW-1 Steel Primer

## RECOMMENDED SUBSTRATE CONDITIONS AND TEMPERATURES

### Steel

- Remove all rust, dirt, moisture, grease or other contaminants from the surface in accordance with SSPC-SP 1
- Abrasive blast with an angular abrasive to an SSPC-SP 6 cleanliness or higher. Achieve a surface profile of 3.0 mils (76 µm) or higher
- Check for soluble salts on surfaces to be coated.
- Contact PPG for maximum allowable salt containment levels
- If amount of soluble salts exceeds recommended limits, treat with a liquid soluble salt remover until acceptable limits are reached
- Maximum allowable soluble salt level, chlorides: 3 µg/cm<sup>2</sup> (immersion), 7 µg/cm<sup>2</sup> (non-immersion)
- Maximum allowable soluble salt level, nitrates: 5 µg/cm<sup>2</sup> (immersion), 10 µg/cm<sup>2</sup> (non-immersion)
- Maximum allowable soluble salt level, sulfates: 10 µg/cm<sup>2</sup> (immersion), 20 µg/cm<sup>2</sup> (non-immersion)

Note:

- Contact PPG Technical Services for recommend soluble salt test method and soluble salt removers

---

### Substrate temperature and application conditions

- Ambient temperature during application and curing should be above 35°F (2°C)
- Substrate temperature should be at least 5°F (3°C) above dew point and rising before application of coating materials.

---

## INSTRUCTIONS FOR USE

### Preparation

- Prior to use, shake container or stir contents for 1-2 minutes
- Properly mixed material will be a uniform color without light or dark spots

---

### Application

- Should be applied in one coat
- Apply by spray, brush or roller application
- Apply at 400-500 ft<sup>2</sup>/US gal (9.8-12.3 m<sup>2</sup>/L)
- Avoid ponding of material on horizontal surfaces; excess material should be wiped dry with a clean cotton rag

---

### Airless spray

- Process using Graco Ultra 395 Airless Sprayer or similar equipment
- Process at 500 - 1,000 psi (3.4 - 6.9 MPa)

---

### Brush/roller

- Brush/Roller application is recommended for small areas only. Use a bristle brush, 1/4" or 3/8" nap roller

# PPG VERSAFLEX® 901 Steel Primer

formerly sold as VersaFlex® PW-1 Steel Primer

## ADDITIONAL DATA

Curing Time	
Substrate temperature	Dry to touch
77°F (25°C)	1 hour

## DISCLAIMER

- For industrial or professional use only
- This product is specifically suitable for use on the substrates mentioned in this document. For application on any other substrates, please always contact your PPG representative for specific instructions and in order to make sure that the product performance can be safeguarded.

## SAFETY PRECAUTIONS

- Read all label and Safety Data Sheet (SDS) information prior to use

## WORLDWIDE AVAILABILITY

It is always the aim of PPG Protective & 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

- Information sheet | Explanation of product data sheets

## 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](http://www.ppgpmc.com). The English text of this sheet shall prevail over any translation thereof.



# PPG VERSAFLEX® 901 Steel Primer

formerly sold as VersaFlex® PW-1 Steel Primer

## AVAILABILITY OF PACKAGING

### Packaging

- 1-gallon containers
  - 5-gallon containers
  - 55-gallon drums
- 

