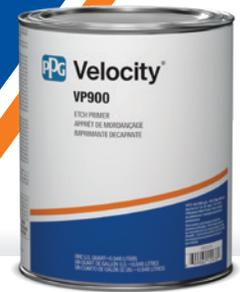


VP900 Etch Primer

Product Data Sheet



PPG VELOCITY® VP900 Etch Primer offers high anti-corrosion properties with minor fill capability and excellent adhesion to properly prepared bare metal.

Compatible Products



Apply over:

- Bare steel, galvanized and aluminum

Topcoat with:

- VP2X0 Urethane Primer Surfacer
- VS3X0 Urethane Primer Sealer

Substrate Preparation



- **All surfaces to be painted** should be cleaned with car wash soap and water, then apply the appropriate PPG ONECHOICE® cleaner. Ensure the substrate is thoroughly cleaned and dried both before and after preparation work.
- **Original paintwork** should be abraded using U.S. 240 / European P280-grade discs (dry) or U.S. 320 / European P360-grade paper (wet). Exposed bare metal should be spot-primed with a suitable bare metal primer such as *Velocity* VP900 Etch Primer or DPLF Epoxy Primer
- **Bare steel and galvanized steel** must be clean, rust free and abraded thoroughly using European P180 / U.S. 80-180-grade paper and primed with *Velocity* VP900 Etch Primer or DPLF Epoxy Primer after abrading.

Application Guide



Mix Ratio

VP900 Etch Primer	1 part
VH901 Activator	1 part

Hardeners

VH901 Activator



Pot Life

7 days at 70° F (21° C), 50% relative humidity



Spray Gun Setup and Pressure

Fluid tip	1.2 – 1.5 mm
HVLP at the air cap	8 – 10 psi
Compliant at the spray gun	26 – 29 psi

For best overall results, refer to the spray gun manufacturer's recommendations for optimum inlet air pressures.

Velocity® VP900 Etch Primer

Product Data Sheet

Application Guide (cont.)



Application

- 1 – 2 medium, wet coats
- 4 – 6 mils suggested per wet coat
- 1 mil maximum film build per dry coat



Drying Times

Dry to prime, air dry	30 minutes at 70° F (21° C)
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Must be recoated with a solvent-borne undercoat within 24 hours of being applied.

Flash Off

Between coats, 3 – 5 minutes or until fully flashed off at 70° F (21° C)

Performance Guidelines

- Do not apply VP900 Etch Primer over media-blasted metal.
- Do not apply VP900 Etch Primer under or over an epoxy primer.
- Do not apply VB Basecoat directly over VP900 Etch Primer.
- The use of HVLP spray equipment can give an increase in transfer efficiency of around 25% depending upon the make and model of the equipment used.
- Partially used cans of hardener must be carefully closed. Store all contents in a cool dry place away from heat.

Technical Data

RTS Information	VP900 : VH901 1 : 1
Coating category	Pretreatment Wash Primer
VOC actual (g/L)	749 g/L
VOC actual (lbs./U.S. gal.)	6.25 lbs./gal.
VOC regulatory (g/L) (less water less exempt)	757 g/L
VOC regulatory (lbs./U.S. gal.) (less water less exempt)	6.32 lbs./gal.
Density (g/L)	926.4 g/L
Density (lbs./U.S. gal.)	7.73 lbs./gal.
Volatiles weight %	82.10%
Water weight %	1.30%
Exempt weight %	0.00%
Water volume %	1.20%
Exempt volume %	0.00%
Solids volume %	7.73%
Solids weight %	17.90%
Coverage at 1 mil at 100% transfer efficiency (sq. ft.)	128 sq. ft.

Velocity® VP900 Etch Primer

Product Data Sheet

Health and Safety

See Safety Data Sheet and Labels for additional safety information and handling instructions.

- The contents of this package may have to be blended with other components before the product can be used. Before opening the packages, be sure you understand the warning messages on the labels and SDS of all the components, since the mixture will have the hazards of all its parts.
- Improper handling and use, for example, poor spray technique, inadequate engineering controls and/or lack of proper Personal Protective Equipment (PPE), may result in hazardous conditions or injury.
- Follow spray equipment manufacturer's instructions to prevent personal injury or fire.
- Provide adequate ventilation for health and fire hazard control.
- Follow company policy, product SDS and respirator manufacturer's recommendations for selection and proper use of respiratory protection. Be sure employees are adequately trained on the safe use of respirators per company and regulatory requirements.
- Store waterborne and solventborne waste separately. A competent agent with appropriate certification must handle all hazardous wastes. Wastes must be disposed in accordance with all federal, state, provincial and local laws and regulations.
- Wear appropriate PPE such as eye and skin protection. In the event of injury, see first aid procedures on SDS.
- Always observe all applicable precautions and follow good safety and hygiene practices.

Emergency Medical or Spill Control Information: (412) 434-4515

Materials described are designed for application by professional, trained personnel using proper equipment and are not intended for sale to the general public. Products mentioned may be hazardous and should only be used according to directions, while observing precautions and warning statements listed on label. Statements and methods described are based upon the best information and practices known to PPG Industries. Procedures for applications mentioned are suggestions only and are not to be construed as representations or warranties as to performance, result, or fitness for any intended use, nor does PPG Industries warrant freedom from patent infringement in the use of any formula or process set forth herein.

 **WARNING:** Certain products listed may contain chemicals known to the State of California to cause cancer and/or reproductive harm. For more information go to P65Warnings.ca.gov.

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