



Commercial Performance Coatings

AWP-901 AWP-902

CPC 151

Water Reducible Primers

PRODUCT DESCRIPTION	
AWP-901 Water Reducible Primer (White) AWP-902 Water Reducible Primer (Gray)	
TYPE: Water reducible Primer	
RECOMMENDED USE AWP-901 and AWP-902 water reducible primers are fast drying interior/exterior primers intended for industrial use on bare or primed metal surfaces. Suitable applications include metal fabrication, cabinets, structural steel and shelving. These primers provide a wide balance of performance properties, very good gloss and holdout properties when topcoated. Low VOC, Low odor and tap water reduction and cleanup.	
PHYSICAL CONSTANTS	
WEIGHT PER GALLON: 10.2 – 11.2 lbs. PERCENT SOLIDS BY WEIGHT: 52.0 +/- 3% PERCENT SOLIDS BY VOLUME: 35.0 +/- 3%	FLASH POINTS: AWP-901/902 105°F (41°C) VOC: 2.8 lbs/gallon (maximum) SHELF LIFE: 6 months
PERFORMANCE FEATURES	
Color:	Red and White
Gloss @ 60° Angle:	~10
Pencil Hardness:	F - H
Conical Mandrel:	Pass
Adhesion:	5B - Excellent
Above results obtained over iron phosphated Cold Rolled Steel panels	
CHEMICAL/SOLVENT RESISTANCE	
Chemical Resistance	Good
300 Hours Humidity Resistance	Good
500 Hours Salt Spray	Good



SURFACE PREPARATION

The surface to be coated must be clean and free of all contamination. Chemical treatment or the use of a topcoat will improve the adhesion and performance properties.

Metal	Recommended Primers	Direct To Properly Treated Substrate
Cold Rolled Steel	N/A	Excellent
Hot Rolled Steel	N/A	Excellent
Galvanized	N/A	Not Recommended
Aluminum	N/A	Excellent
Plastic/Fiberglass	N/A	

APPLICATION DATA

MIXING DIRECTIONS

Mix thoroughly before and during use

THINNING

Water – up to 10% for conventional spray application

POT LIFE

N/A

RECOMMENDED WET FILM BUILD

Spray Application: 2.8 – 5.8 mils

RECOMMENDED DRY FILM BUILD

1.0 – 2.0 mils

Film in excess or below these recommended film builds might cause problems such as: adhesion failure, pigment floatation, solvent popping, and slow cure.

DRYING TIME

Air dry at 77°F

Dry to Touch: 20 – 45 minutes

Dry to Handle: 1½ - 4 hours

To Topcoat: 20 – 45 minutes (when coating is dry to touch)

Higher humidity will increase the Dry Time

Force Dry

Flash: 10 minutes at ambient

Bake: 10 - 20 minutes @ 160°F
(peak metal temperature)

Drying time listed may vary, depending upon film build, temperature.

Application of film thickness in excess of that recommended for this product will substantially extend dry time.

RECOMMENDED SPREADING RATE

500 - 600 sq. ft. at 1.0 mil dry film per U.S. Coverage figures do not include losses due to mixing, transfer or application of coating or losses due to surface irregularities or porosity.

CLEAN UP

Soap and warm water

APPLICATION PRECAUTIONS AND LIMITATIONS

Apply only when air, product or surface temperature is above 60°F (16°C) In-Service Temperature: 120°F. **Protect from freezing.**

BRUSH WITH HIGH NATURAL BRISTLE BRUSH. 3/8" NAP SOLVENT RESISTANT CORE ROLLER APPLICATION.

SPRAY APPLICATION	SPRAY EQUIPMENT	PRESSURE POT	PRESSURE (PSI)	ATOMIZED AIR (PSI)	TIP
Conventional	Binks 95SL or equivalent	¼" Fluid Line	60	5 - 7	66SK
Conventional	Graco Delta or equivalent	¼" Fluid Line	60	5 - 7	.042
Air Assisted Airless	Graco Alpha A.A. or equivalent	NA	1000 – 1500	30 – 50	.013 or .015

To the best of our knowledge, the technical information in this bulletin is accurate; however, since PPG Industries, Inc. is constantly improving its coatings and paint formulas, the current technical data may vary somewhat from what was available when this bulletin was printed. Contact your PPG Distributor for the most up-to-date information.

SAFETY

These materials are designed for application only by professional, trained personnel, using proper equipment under controlled conditions and are not intended for sale to the general public.

Safe application of paints and coatings requires knowledge of equipment materials and individual training. Directions and precautionary information on both equipment and products should be carefully read and strictly observed for personal safety and property protection. Consideration must be given to eliminate conditions, which may generate hazardous atmospheres during spray application or subject operators or bystanders to injury or illness. Special precautions must be taken when utilizing spray equipment, particularly airless equipment. High-pressure injection of coatings into the skin by airless equipment may cause serious injury requiring immediate medical attention at a hospital. Treatment advice may also be obtained from Poison Centers. Air quality should be maintained with adequate ventilation; applicators can achieve additional protection by wearing respirators and other protective garments such as gloves and overalls. In all cases, wear protective eye equipment. During the application of all coatings materials, all flames, welding and smoking must be prohibited. Explosion proof equipment must be used when coating these materials in confined areas.

PRECAUTIONARY INFORMATION

Before using the products listed herein, carefully read each product label and follow directions for its use. Please read and observe all warnings and precautionary information on all product labels. Prevent all contact with skin and eyes and breathing of vapors and spray mist. Repeated inhalation of high vapor concentrations may cause a series of progressive effects including irritation of the respiratory system, permanent brain and nervous system damage and possible unconsciousness and death in poorly ventilated areas. Eye watering, headaches, nausea, dizziness and loss of coordination are indications that solvent levels are too high. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

KEEP OUT OF THE REACH OF CHILDREN

MEDICAL RESPONSE

Emergency Medical or Spill Control Information (304) 843-1300. CANADA (514) 645 - 1320 Have label information available.

MATERIAL SAFETY DATA SHEET Material Safety Data Sheets for the PPG products mentioned in this publication are available through your PPG Distributor.

FOR ADDITIONAL INFORMATION REGARDING THIS PRODUCT, SEE THE MSDS AND LABEL INFORMATION.

PPG Industries
Commercial Coatings

We're Everywhere You Look