Commercial Performance Coatings

CPCPB711

Wash Primer

PLC-900

PLC-900 Wash Primer is a surface pre-treatment product designed for direct application to properly prepared bare metal surfaces.

Optimum topcoat performance can be achieved with the use of PPG recommended topcoats and primers over PLC-900.

Features and Benefits:

- Good adhesion
- Easy-to-use mix ratio

Associated Products:

- PLC-900 Wash Primer
- PLC-901 Wash Primer Catalyst

Physical Constants:

All values are theoretical, depend on color and are Ready-to-Spray. Actual values could vary slightly due to manufacturing variability.

RTS Combination	PLC-900 / PLC-901
Volume Ratio	1 / 1
Percent solids (by weight)	8. 6%
Percent solids (by volume)	7.1%
VOC Actual (g/L)	736
VOC Actual (lbs/gal)	6.14
VOC Regulatory (less water less exempt)) (g/L)	769
VOC Regulatory (less water less exempt) (lbs/gal)	6.42
Percent acid (by weight)	0.67%
HAPs	≤ 0.75 lbs/gal
Photo-chemically reactive	No

PPG

PLC-900

Directions for Use

Substrate Preparation:

The surface to be coated must be free of all contamination (including dust, dirt, oil, grease, and oxidation). A chemical treatment (or conversion coating) will improve adhesion and performance properties of the finished coat. Variability can occur with substrates, preparation, application method or environment. We recommend that adhesion and system compatibility be checked prior to full application.

Metal	Direct to Substrate
Cold Rolled Steel	Excellent
Hot Rolled Steel	Excellent
Galvaneal	Excellent
Galvanized	Good
Aluminum	Excellent
Plastic / Fiberglass	Surface should be free of all contamination. Because of the variability of plastic/fiberglass substrates, coating performance should be confirmed on the actual plastic/fiberglass substrate being used.

Best performance is achieved by using an approved CPC two-component urethane primer over PLC-900 Wash Primer before topcoating.

Mix Directions:

Mix Directions	Mix thoroughly prior to and occasionally during spraying. Mix equal parts by volume of Wash Primer component A (PLC-900) and Wash Primer Catalyst-component B (PLC-901).
Thinning:	None required

Blend Ratio:	PLC-900	:	PLC901
	1	:	1

Pot Life @ 77°F (25°C):	8 hours after mixing
Spray Viscosity Range:	#2 Zahn 20 – 22 seconds
Shelf Life:	PCL-900 - 4 years unopened; 4 years opened PCL-901 - 6 years unopened; 2 years opened

Application Equipment:

Conventional (with or without pressure pot):	1.2 – 1.4mm tip without pressure pot, 1.0 – 1.2 tip with pressure pot: 35 – 45 psi at gun.
HVLP (with or without pressure pot):	1.2 – 1.4mm tip without pressure pot, 1.0 – 1.2 tip with pressure pot: 10 psi at cap or per manufacturer.
Airless:	Not Recommended
Air-Assisted Airless:	Not Recommended
Brush or Roll:	Not Recommended
Electrostatic:	Not Recommended

Application:

Apply:	2 medium coats with a 10 – 15 minute flash between coats.
Recommended Wet Film Build:	N/A
Recommended Dry Film Build:	0.2 – 0.4 mils
Square Foot Coverage no loss:	82 sq. ft. @ 1 mil: 205 sq. ft. @ 0.4 mils

Dry Times:

Air Dry @ 77°F 50% RH:

To Touch	5 minutes
To Handle	20 minutes
To Recoat*	15 minutes to 16 hours
To Topcoat*	30 minutes to 16 hours
Force Dry @ 160°F:	N/A

** Only apply this product when the 16 hour time to topcoat/recoat can be followed. This product contains chrome and should not be abraded or sanded due to the risk of harmful dust being generated.*

PLC-900

Technical Data*

Performance Properties:

Cold Rolled Steel
PLC-900/901
AUE-100

Test	ASTM Method	Result
Adhesion	D3359	5B
In Service Temperature Limit		150°F

Weather Resistance:

Cold Rolled Steel
PLC-900/901
AUE-100

	ASTM Method	Result
Humidity – 100 hours	D2247	
5 Minute Recovery Adhesion	D3359	5B
1 Hour Recovery Adhesion	D3359	5B
24 Hour Recovery Adhesion	D3359	5B

All tests results assume proper cure and preparation of test substrates. Unless otherwise stated, all results were obtained spraying product direct to metal on Cold Rolled Steel.

* The application and performance property data above are believed to be reliable based on laboratory findings. It is for the buyer to satisfy itself on the suitability of the product for its particular use. Variation in environment, procedures of use, or extrapolation of data may cause unsatisfactory results.

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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 (412) 434-4515; CANADA (514) 645-1320 and in MÉXICO 01-800-00-21-400. Have label information available.

Safety Data Sheets (SDS) for the PPG products mentioned in this publication are available through www.ppgcommercialcoatings.com (Safety, SDS Search) or your PPG Distributor.

For additional information regarding this product, see the SDS and LABEL information.

PPG Industries
Commercial Coatings
19699 Progress Drive
Strongsville, OH 44149
1-800-647-6050

PPG Canada Inc.
Commercial Coatings
2301 Royal Windsor Drive, Unit #6
Mississauga, Ontario L5J 1K5
1-888-310-4762