



VAP-9XX

Tintable Vinyl Acrylic Primer Series

CPC 10

PRODUCT DESCRIPTION			
VAP-900 Vinyl Acrylic Primer (Red Oxide) VAP-902 Vinyl Acrylic Primer (Beige) VAP-904 Vinyl Acrylic Primer (Gray)			
TYPE			
Vinyl Acrylic			
RECOMMENDED USE			
This tintable vinyl acrylic primer provides superior gloss and color hold out properties when applied to properly prepared metal surfaces. VAP-9xx will improve the hiding characteristics of the high chroma lead-free yellow and orange topcoat colors.			
PHYSICAL CONSTANTS			
VOC		Percent Solids By Volume	
VAP-900	6.13lbs/Gal	VAP-900	17.28% - 17.32%
VAP-902	6.10lbs/Gal	VAP-902	19.46% - 19.50%
VAP-904	6.11lbs/Gal	VAP-904	19.72% - 19.76%
Weight Per U.S. Gallon		Flash Points	
VAP-900	8.59-8.63 Lbs/Gal	Pensky-Martens	21°F (-6°C)
VAP-902	8.93-8.97 Lbs/Gal		
VAP-904	8.94-8.98 Lbs/Gal		
Percent Solids By Weight		Ready To Spray Viscosity	
VAP-900	28.83% - 28.87%	#3 Zahn	N/A Seconds
VAP-902	31.83% - 31.87%	#2 Zahn	12-18 Seconds
VAP-904	31.77% - 31.81%		
PERFORMANCE FEATURES			
96 Hour Humidity Resistance		In Service Temperature Limitations	
Excellent		180°F	
Water Resistance		Adhesion	
Although resistant to intermittent exposure, <i>not recommended for immersion.</i>		Excellent	
CHEMICAL/SOLVENT RESISTANCE			
10% Sulfuric Acid	Good	10% Hydrochloric Acid	Very Good
10% Ammonia	Very Good	10% Sodium Hydroxide	Very Good
Xylene	Good	Isopropyl Alcohol	Very Good
Oil	Very Good	Gasoline	Good
500 Hours Salt Spray	Good		
SURFACE PREPARATION			
The surface to be coated must be sanded, free of all contamination, including dust, dirt, oil, grease and oxidation.			
Metal	Recommended Topcoat	Direct To Properly Treated Substrate	
Cold Rolled Steel	ACR-100, ALK-200, ALK-200/201, AUE-100,	Very Good	
Hot Rolled Steel	ACR-100, ALK-200, ALK-200/201, AUE-100,	Very Good	
Galvanized	Not Recommended		
Galvaneal	Not Recommended		
Aluminum	ACR-100, ALK-200, ALK-200/201, AUE-100,	Good	
Plastic/Fiberglass	Surface should be free of all contamination. Because of the variability of plastic/fiberglass substrates,		

APPLICATION DATA

MIXING DIRECTIONS

Stir thoroughly before and occasionally during use.

POT LIFE

N/A

THINNING

N/A

APPLICATION EQUIPMENT

Conventional Spray: 35 - 40 psi at the gun.

DRYING TIME

.5 mils @ 77°F (25°C) and 50% relative humidity

To Touch:	10-15 minutes	Recommended Wet Film Build (Mixed):	2.6 To 10.4 Mils
To Handle:	1 hour	Recommended Dry Film Build:	2 To 8 Mils
To Dry:	12 hours*		
To Topcoat:	30 minutes to 4 days		

Recoat: 15 minutes to 4 days. After 4 days primer should be mechanically abraded before topcoating or recoating.

Film in excess or below these recommended film builds may result in poor adhesion, solvent popping, runs, sags, or extended dry times.

* This condition does not mean that the paint film has reached full cure. Paint film is not fully cured for 7 days. It is a stage where handling can be achieved without loosening, wrinkling or otherwise marring the film under minimal pressure from fingers or hands.

Drying time listed may vary, depending upon film build, color selection, temperature, humidity and degree of air movement.

Application of film thickness in excess of that recommended for this product will substantially extend dry time and lengthen the recoat window.

RECOMMENDED SPREADING RATE

480 sq. ft. at 1.0 mil dry film per U.S. gallon (varies by color). Spreading rate figures do not include losses due to mixing, transfer or application of coating, or losses due to surface irregularities or porosity.

CLEAN UP

Lacquer Thinner

APPLICATION PRECAUTIONS AND LIMITATIONS

Apply only when air, product or surface temperature is above 50°F (10°C) and when surface temperature is at least 5°F (3°C) above the dew point.

All Commercial Coatings Performance data is based on spray application, at the recommended film build. If alternative application methods are employed, substrate preparation and film builds listed for spray application must be followed.

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 (412) 434-4515; 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

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

PPG Canada Inc.
2301 Royal Windsor Drive
Mississauga, Ontario L5J 1K5
1-888-310-4767

