CUSTOM TINTED FAST DRY VINYL ACRYLIC PRIMER

PRODUCT DESCRIPTION

PRODUCTS
VAP-400 **Custom Tinted Vinyl Acrylic Primer**

TYPE
Vinyl Acrylic

RECOMMENDED USE
VAP- 400 is a custom tinted fast dry vinyl primer, which provides superior gloss and color holdout properties when applied to a properly prepared metal surface.

COLORS
Custom tinted

PHYSICAL CONSTANTS

WEIGHT PER U.S. GALLON
VAP-400 8.78 lbs/gal

PERCENT SOLIDS BY WEIGHT
VAP-400 36.50%

PERCENT SOLIDS BY VOLUME
VAP-400 23.37%

FLASH POINTS
Pensky-Martens 21°F (-6°C)

V O C
VAP-400 5.57 lbs/gal

VISCOSITY AS RECEIVED
#2 Zahn 34 -38 seconds

CONDUCTIVITY
0.4 –0.5 mega-ohms

PERFORMANCE FEATURES

96 HOUR HUMIDITY RESISTANCE
EXCELLENT

ADHESION
EXCELLENT

IN SERVICE TEMPERATURE LIMITATIONS
180°F

CHEMICAL RESISTANCE

500 HOURS SALT SPRAY
GOOD

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

WATER RESISTANCE
Resistant to intermittent exposure. **Not recommended for immersion.**

SURFACE PREPARATION

The surface to be coated must be free of all contamination, including dust, dirt, oil, grease and oxidation. Chemical treatment or the use of a conversion coating will improve the adhesion and performance properties of the total coating system.

Metal	Recommend 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
The 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.

APPLICATION DATA

MIXING DIRECTIONS
Stir thoroughly before and occasionally during use.

THINNING
N/A

POT LIFE
N/A

APPLICATION EQUIPMENT
Electrostatic

DRYING TIME
.5 mils wet at 77°F (25°C) and 50% relative humidity.

To Touch:	10-15 minutes
To Handle:	1 hour
Dry:	12 hours
To Topcoat:	30 minutes to 4 days
Recoat:	15 minutes to 4 days

Note: After 4 days primer should be mechanically abraded before topcoating or recoating.
Force Dry: Allow 10 minutes air dry
Bake 10 minutes @ 180□F
Note: Paint film is not fully cured for 7 days

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

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

RECOMMENDED WET FILM BUILD
Spray Application: 2.4 - 3.0 mils

RECOMMENDED DRY FILM BUILD
0.8 ─ 1.0 mil

** Film in excess or below these recommended film builds may cause problems such as, adhesion failure, solvent popping, and slow cure.**

RECOMMENDED SPREADING RATE
338 sq. ft. at 1.0 mils dry film per U.S. gallon. Coverage figures do not include losses due to mixing, transfer or application of coating nor 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.

Brush and roller application is not recommended.

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 (514) 645 - 1320. Have label information available.

MATERIAL SAFETY DATA SHEET
Safety Data Sheet/Material Safety Data Sheets for the PPG products mentioned in this publication are available through www.ppgcommercialcoatings.com (Safety, SDS Search) or your PPG Light Industrial Distributor.
For additional information regarding this product, see the SDS/MSDS and LABEL information.

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 Light Industrial Distributor for the most up-to-date information

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