



Commercial Performance Coatings

VBA-435 VBA-735

CPC 67

3.5 VOC Universal Alkyd Primer

PRODUCT DESCRIPTION

VBA-435 HIGH BUILD ALKYD PRIMER (GRAY)
VBA-735 HIGH BUILD ALKYD PRIMER (RED OXIDE)

TYPE: Alkyd

RECOMMENDED USE

VBA is a one component, alkyd primer that exhibits good corrosion resistance properties, when applied over properly prepared hot or cold-rolled steel. VBA has a VOC (RTS) 3.5 lbs./gal.

VBA series primers feature fast dry-to-topcoat times and improve productivity in a wide variety of production and fabrication applications.

PHYSICAL CONSTANTS

WEIGHT PER U.S. GALLON

VBA-435 is 12.69
 VBA-735 is 12.03

PERCENT SOLIDS BY WEIGHT

VBA-435 is 72.46
 VBA-735 is 71.86

PERCENT SOLIDS BY VOLUME

VBA-435 is 51.37
 VBA-735 is 53.15

FLASH POINTS

VBA-435/735 Pensky-Martens 48°F (9C°)

VOC

3.5 lbs./gal in Non - Acetone exempt areas

READY TO SPRAY VISCOSITY

#3 Zahn 20 -30 seconds

PERFORMANCE FEATURES

96 HOUR HUMIDITY RESISTANCE

Good

ADHESION

Good

INSERVICE TEMPERATURE LIMITATIONS

200°F

CHEMICAL/SOLVENT RESISTANCE

10% SULFURIC ACID	Good	10%HYDROCHLORIC ACID	Good
10%AMMONIA	Good	10%SODIUM HYDROXIDE	Good
XYLENE	Fair	ISOPROPYL ALCOHOL	Good
OIL	Good	GASOLINE	Good
350 HOURS SALT SPRAY	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	Recommended Topcoat	Direct To Properly Treated Substrate
Cold Rolled Steel	ALK-200, ALK-200/201, ALK-300, ALK-300LG AUE-280, AUE-280LG, AUE-300, AUE-400LG	Good
Hot Rolled Steel	ALK-200, ALK-200/201, ALK-300, ALK-300LG AUE-280, AUE-280LG, AUE-300, AUE-400LG	Good
Galvanized		Not Recommended
Galvaneal		Not Recommended
Aluminum	ALK-200, ALK-200/201, ALK-300, ALK-300LG AUE-280, AUE-280LG, AUE-300, AUE-400LG	Fair
Plastic/Fiberglass	The surface should be free of all contamination. Because of the variability of plastic / fiberglass substrates, coating performance should be confirmed by testing on the actual plastic/fiberglass substrate being used.	

APPLICATION DATA

MIXING DIRECTIONS

VBA is ready to spray as supplied. Stir thoroughly before, and occasionally during use.

THINNING

Not recommended where 3.5 lb./gal VOC regulations are in effect. VBA is supplied at sprayable viscosity. May add 10% Acetone if desired.

POT LIFE

N/A

RECOMMENDED WET FILM BUILD

Spray Application: 3.8 - 5.0 mils

RECOMMENDED DRY FILM BUILD

1.8 - 2.4 mils

Application of film thickness in excess of that recommended for this product may cause problems such as adhesion failure, solvent popping and extended dry times.

APPLICATION EQUIPMENT

Conventional Spray: 50-60 psi at the gun

DRYING TIME

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

To Touch:	15 minutes
Handle:	15 - 30 minutes
Dry:	24 hours *
To Topcoat:	After 1 hour to 4 days
Recoat:	1 hour to 4 days

Note: After 4 days primer should be mechanically abraded before topcoating or recoating.

Force Dry

Air dry:	10 minutes
Bake:	20 minutes @160°F (71°C)

* Primer film is not fully cured for 7 days. Drying time listed may vary, depending upon film build, and temperature.

RECOMMENDED SPREADING RATE

824 – 848 sq. ft. at 1.0 mil dry film per U.S. gallon. 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 or Ketones.

APPLICATION PRECAUTIONS AND LIMITATIONS

Apply only when air, product or surface temperature is above 60°F (16°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 (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 Light Industrial Distributor.

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

PPG Industries
Commercial Coatings

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