



Commercial Performance Coatings

HBA-CT

CPC 57

Tinted High Build Alkyd Primer

| PRODUCT DESCRIPTION | | | |
|---|-----------|--|-----------|
| HBA-CT TINTED HIGH BUILD ALKYD PRIMER | | | |
| TYPE: Alkyd | | | |
| RECOMMENDED USE HBA-CT is a custom-tinted, one component, alkyd primer which exhibits very good corrosion resistance properties, when applied over properly prepared hot or cold-rolled steel. HBA-CT has a VOC level of 2.8 lbs./gal under acetone exempt regulations, 3.5 lbs./gal in non-acetone exempt areas. All HBA series primers feature fast dry-to-topcoat times and improve productivity in a wide variety of production and fabrication applications. HBA-CT does not contain lead or chromium pigments. HBA-CT is available in literally hundreds of standard and custom color formulations that can be matched to the topcoat color desired. HBA-CT will exhibit a semi-transparent appearance when tinted to bright organic red, orange or yellow shades. This appearance does not affect product performance. | | | |
| PHYSICAL CONSTANTS | | | |
| WEIGHT PER U.S. GALLON (varies by color) 10.9 - 11.7 LBS./GAL. | | FLASH POINTS Pensky-Martens 1°F (-17C°) | |
| PERCENT SOLIDS BY WEIGHT (varies by color) 66.5% - 70.5% | | VOC 2.8 lbs./gal in Acetone exempt areas 3.5 lbs./gal in Non - Acetone exempt areas | |
| PERCENT SOLIDS BY VOLUME (varies by color) 47.5% - 50.5% | | | |
| READY TO SPRAY VISCOSITY (varies by color) #3 Zahn 10-30 seconds #2 Zahn N/A | | | |
| PERFORMANCE FEATURES | | | |
| 96 HOUR HUMIDITY RESISTANCE Excellent | | | |
| ADHESION Very good | | | |
| IN SERVICE TEMPERATURE LIMITATIONS 200°F | | | |
| CHEMICAL/SOLVENT RESISTANCE | | | |
| 10% SULFURIC ACID | Excellent | 10%HYDROCHLORIC ACID | Excellent |
| 10%AMMONIA | Excellent | 10%SODIUM HYDROXIDE | Excellent |
| XYLENE | Fair | ISOPROPYL ALCOHOL | Excellent |
| OIL | Excellent | GASOLINE | Good |
| 500 HOURS SALT SPRAY | Very 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 | Very Good |
| Hot Rolled Steel | ALK-200, ALK-200/20, ALK-300, ALK-300LG AUE-280, AUE-280LG, AUE-300, AUE-400LG | Very 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

HBA-CT is ready to spray as supplied. Stir thoroughly before, and occasionally during use.

THINNING

Not recommended where 2.8 or 3.5 lb./gal VOC regulations are in effect.

HBA-CT is supplied at sprayable viscosity.

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: | 10 minutes |
| Handle: | 60 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 |

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

RECOMMENDED SPREADING RATE

762 - 810 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 or Ketone

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 (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