



Commercial Performance Coatings

HHA-300

CPC166

High Heat Aluminum

PRODUCT DESCRIPTION	
HHA-300 HIGH HEAT ALUMINUM	
TYPE: Alkyd Enamel	
RECOMMENDED USE: HHA-300 is a medium dry alkyd enamel that produce a durable, chemical resistant finish. It is intended for industrial use on phosphated CRS or HRS or primed or un-primed surfaces. Suitable for high heat applications where into service temperatures can reach 800°F (426°C)	
PHYSICAL CONSTANTS	
WEIGHT PER U.S. GALLON 8.75 lbs/gal.	FLASH POINTS HHA-300 80°F (27°C)
PERCENT SOLIDS BY WEIGHT 36.0%	VOC (PACKAGED) 5.65 lbs/gal 673gm/l (maximum)
PERCENT SOLIDS BY VOLUME 21.0%	
READY TO SPRAY VISCOSITY #3 Zahn 21 +/- 5 seconds	#2 Zahn NA
PERFORMANCE FEATURES	
SHEEN Gloss @ 60° angle – 90+	
IN SERVICE TEMPERATURE LIMITATIONS 800°F (426°C)	
CHEMICAL/SOLVENT RESISTANCE	
WATER RESISTANCE: Resistant to intermittent exposure. Not recommended for immersion service	
SURFACE PREPARATION	
The surface to be coated must be sanded or abrasive blasted and 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 finished coat.	

APPLICATION DATA

MIXING DIRECTIONS

Stir thoroughly before and occasionally during use.

THINNING

Thinning is not normally required; however, under adverse conditions, up to 15% of xylene, toluene or aromatic 100 may be added.

POT LIFE

N/A

RECOMMENDED WET FILM BUILD (unreduced)

Spray Application: 5.0 - 7.2 mils

RECOMMENDED DRY FILM BUILD

1.2 - 1.5 mils

Film in excess or below these recommended film builds may cause problems such as, adhesion failure, pigment floatation, solvent popping, slow cure, and accelerated gloss and color failure.

APPLICATION EQUIPMENT

Conventional Spray: 20-60 psi at the gun.
Airless: 1400 - 2000 psi Tip: .009" - .013"
Air Assisted: 850-60 psi. at the tip, 30-60 psi.
Tip: .009" - .013"
Brush or Roller : Polyester or Nylon Brush or Short Nap Roller

DRYING TIME

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

To Touch: 30 to 40 minutes
To Handle: 2 - 3 hours *
Dry: 4 hours**
Recoat: Before 4 hours or after 72 hours ***
Force Dry: Allow 15 minutes air dry then 30 minutes @ 160°F

* This condition does not mean that the paint film has reached full cure. 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.

** Paint film is not fully cured for 7 days.

*** IMPORTANT! If this product is recoated between 4 hours and 72 hours, lifting of the previous finish will occur. Before 4 hours, the coating is adequately solubilized to prevent lifting, while after 72 hours, cure has progressed to a point where solvent resistance is achieved.

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

454 sq. ft. at 1.0 mil dry film per U.S. gallon. Coverage figures do not include losses due to mixing, transfer or application of coating or losses due to surface irregularities or porosity.

CLEAN UP

Toluene or Xylene

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. Apply in dry weather when relative humidity is less than 85%.

Brush and roller application is not recommended.

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 Distributor.

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

PPG Industries
Commercial Coatings

We're Everywhere You Look