Commercial Performance Coatings

AUE-110LG

CPC6

2K Urethane Enamel

PRODUCT DESCRIPTION		
AUE-110LG Urethane Enamel **Component A**	**AUE-3606A** Interior Catalyst **Component B**	**CPC-SP9000** Reducer (Optional) **Component C**

TYPE: URETHANE

RECOMMENDED USE

AUE-110LG is designed to be used with a primer or as a direct to metal coating that can be applied in either a smooth or textured finish. When used with the AUE-3606A hardener, it is specifically designed for interior end uses/applications while providing fast dry and handling times.

AUE-110LG is air dry or force dry capable and ideally suited for computer cabinetry, business machines, and interior furniture/cabinetry where superior hardness, flexibility, and abrasion resistance is required. This product offers versatility in achieving both fine and coarse texture appearances, making it ideal for covering substrate imperfections such as tooling grinding marks and welding seams.

PHYSICAL CONSTANTS

WEIGHT PER U.S. GALLON (MIXED)
(VARIES BY COLOR) 10.5 ± 0.7 LBS./GAL

PERCENT SOLIDS BY WEIGHT (MIXED)
(VARIES BY COLOR) 56.0% ± 5%

PERCENT SOLIDS BY VOLUME (MIXED)
(VARIES BY COLOR) 41.0 +/- 4.0%

FLASH POINTS

AUE-110LG	Pensky-Martens	79°F (26°C)
AUE-3606A	Pensky-Martens	124°F (51°C)
CPC-SP9000	Pensky-Martens	21°F (-6°C)

VOC
4.4 - 4.8 **LBS./GAL (BLENDED, UNREDUCED)**

READY TO SPRAY VISCOSITY #2 Zahn 20-25 sec (w/ 50% reduction for smooth coat application)

PERFORMANCE FEATURES

200 HOUR HUMIDITY RESISTANCE*
ASTM D2247 - Very Good

IMPACT RESISTANCE*
ASTM D2794 – Direct 100 in lbs, Reverse 80 in lbs

200 HOUR SALT SPRAY RESISTANCE*
ASTM D2247 – Excellent, <1/8" Creep

CONICAL MANDREL*
ASTM D522 – Pass 1/8"

PENCIL HARDNESS
ASTM D3363 – H -2H

CHEMICAL/SOLVENT RESISTANCE*

WATER RESISTANCE: RESISTANT to intermittent exposure. ***Not recommended for immersion service***

*** RESULTS OBTAINED DIRECT TO METAL OVER IRON PHOSPHATED CRS PANEL WHEN PROPERLY APPLIED**

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 Primers	Direct To Properly Treated Substrate
Cold Rolled Steel	CRE-9XX, EPX-900, HSP-2128, W43181A, PLC-900, HBE-Series, VAP-9XX	Excellent
Hot Rolled Steel	CRE-9XX, EPX-900, HSP-2128, W43181A, PLC-900, HBE-Series, VAP-9XX	Very Good
Galvanized	CRE-9XX, EPX-900, HSP-2128, W43181A, PLC-900, HBE-Series	Very Good
Galvaneal	CRE-9XX, EPX-900, HSP-2128, W43181A, PLC-900, HBE-Series	Very Good
Aluminum	CRE-9XX, EPX-900, HSP-2128, W43181A, PLC-900, HBE-Series, VAP-9XX	Very Good
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 specific plastic / fiberglass substrate being used.	

APPLICATION DATA

MIXING DIRECTIONS

Mix 6 parts AUE-110LG component A with 1 part AUE-3606A component B by volume. Thin blended product 25-50% (by volume) as suggested below. Stir thoroughly before, and occasionally during use.

THINNING

Thin blended material 25-50% by volume with CPC-SP9000 solvent. Increasing thinner amount will allow for smooth coat application. Thinner amount can be adjusted as required to change final texture appearance.

POT LIFE

8 Hours @ 77°F (25°C)

RECOMMENDED WET FILM BUILD (W/ 50% REDUCTION)

4.0 – 4.5 mils

RECOMMENDED DRY FILM BUILD (SMOOTH COAT)

1.0 – 1.3 mils

For best textured appearance and results, apply one or two smooth coat(s) to hiding, wait 10-15 minutes, then decrease atomization pressure and apply a light “mist” coat.

APPLICATION EQUIPMENT

Conventional Spray: 40-60 psi, 1.3 -1.7 fluid tip

HVLP: 25-50 psi, 1.3 -1.5 fluid tip

DRYING TIME

1.0 mils DFT at 77°F (25°C) and 50% relative humidity.

To Texture: 10-15 minutes
To Touch: 20 minutes
Handle: 60 minutes

To Recoat: Recoating should be done with 48 hours of application. If allowed to stand longer than 48 hours, a light sanding is required before recoating.

Force Dry: Allow 10 minutes air dry then bake up to 30 minutes @ 140°F (60°C) - 180°F (82°C)

RECOMMENDED SPREADING RATE

Approx. 640 sq. ft. @ 1.0 mil dry film per U.S. gallon, depending on actual 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

Acetone, Ketones or CPC-SP9000

APPLICATION PRECAUTIONS AND LIMITATIONS

Apply only when air, product or surface temperature is above 50° F (16°C) and when surface temperature is at least 5°F (3°C) above the dew point.

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 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 Commercial Coatings
Bringing innovation to the surface.™

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