



Acrylic Modified Alkyd Enamel (Yellow Base)

ALK-200YL (w/ optional use of ALK-201)

CPC 177

Component A ALK-200YL Acrylic Modified Alkyd Enamel (Yellow Base)		Component B (optional) ALK-201 – Catalyst for ALK-200	
RECOMMENDED USE		PERFORMANCE FEATURES (Cont.)	
<p>ALK-200YL is a yellow based, fast drying interior/exterior enamel intended for industrial use on properly prepared and/or primed metal surfaces. Suitable applications include metal fabrication, castings, cabinets, machinery, and heavy equipment. The yellow base allows for better hiding for yellow colors.</p> <p>ALK-200YL provides a wide balance of performance properties, including excellent flow and leveling, film hardness and good exterior durability.</p>		<p>Sheen ALK-200YL is supplied as a gloss finish (80 - 90 on a 60° gloss meter). However, the sheen can be adjusted by the PPG distributor to an eggshell, satin or semi-gloss finish.</p>	
		<p>Fade Resistance Exposure studies confirm that the fade resistance of the ALK-200YL finish is significantly better than that of most interior/exterior alkyd enamels.</p>	
COLORS		<p>Water Resistance Although Resistant To Intermittent Exposure, <i>Not Recommended For Immersion.</i></p>	
<p>ALK-200YL comes packaged as a bright yellow base. This product can be tinted up to 14 oz per 128 total oz with CPC H-series tints to create color variants from the yellow base.</p>		CHEMICAL/SOLVENT RESISTANCE	
		10% Sulfuric Acid	Good
		10% Ammonia	Very Good
		Xylene	Fair
		Oil	Very Good
		500 Hours Salt Spray	Good
		10% Hydrochloric Acid	Very Good
		10% Sodium Hydroxide	Very Good
		Isopropyl Alcohol	Very Good
		Gasoline	Good
PHYSICAL CONSTANTS		SURFACE PREPARATION	
<p>Mixed Voc (Varies by color)</p>	4.84 -5.37 lbs/gal.	The surface to be coated must be sanded, free of all contamination, including dust, dirt, oil, grease and oxidation.	
<p>Percent Solids By Weight (Mixed)</p>	36.7-48.6%	<p>Cold Rolled Steel</p>	<p>EPX-900, HBA-3035, HSP-900/902, VAP-9XX</p> <p>Very Good</p>
<p>Percent Solids By Volume (Varies By Color)</p>	32.8-39.0%	<p>Hot Rolled Steel</p>	<p>EPX-900, HBA-3035, HSP-900/902, VAP-9XX</p> <p>Very Good</p>
<p>Weight Per U.S. Gallon (Varies By Color)</p>	7.8-10.1 Lbs./gal	<p>Galvanized</p>	<p>EPX-900, HSP-900/902</p> <p>Not Recommended</p>
<p>Flash Points (Pensky-Martens)</p> <p>ALK-200YL</p>	79°F (26C°)	<p>Galvaneal</p>	<p>EPX-900, HSP-900/902</p> <p>Not Recommended</p>
<p>Shelf Life</p>	12 Months	<p>Aluminum</p>	<p>EPX-900, VAP9xx</p> <p>Fair</p>
<p>Ready To Spray Viscosity (Varies By Color)</p>	#3 Zahn = 25-35 seconds	<p>Plastic / Fiberglass</p>	<p>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.</p>
PERFORMANCE FEATURES			
<p>Pencil Hardness (Varies By Color)</p>	HB-H		
<p>Flexibility (Conical Mandrel)</p>	Excellent		
<p>Adhesion</p>	Excellent		
<p>96 Hour Humidity Resistance</p>	Excellent		
<p>In Service Temperature Limitations</p>	200° F		
<p><i>Note: As you approach 200°F, depending on the pigmentation, the color may change, but film integrity will be maintained until 150°F.</i></p>			

APPLICATION DATA	SAFETY										
<p>Mixing Directions Stir thoroughly before and occasionally during use. This product can be tinted with CPC H-series tints at a maximum tint load of 14 oz per 128 oz total gallon. If the use of ALK-201 catalyst is desired, mix 15 parts of Component A to one part of ALK-201 by volume. Agitate thoroughly and allow to digest 15 minutes before use.</p> <p><i>Note: Moisture contamination in components can result in poor properties of applied films or gelling of the material. Do not open until ready to use.</i></p>	<p>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.</p>										
<p>Thinning Thinning is not normally required; however, under adverse conditions, small amounts (10% or less) of xylene or aromatic 100 may be added.</p>											
<p>Pot life If using ALK-201, 10 hours after mixing @ 77°F (25°C)</p>											
<p>Application Equipment Conventional spray: 40-50 psi at the gun with 1.3 - 1.7 fluid tip.</p>											
<p>Drying Times (3 mils wet @ 77°F / 25°C and 50% relative humidity) <i>Note: Dry times below are when full drier (ALK-31) load is added.</i></p>											
<table border="1"> <tr> <td>To Touch:</td> <td>15 - 30 minutes</td> </tr> <tr> <td>To Handle:</td> <td>1 hour*</td> </tr> <tr> <td>To Dry:</td> <td>10 hours**</td> </tr> <tr> <td>Recoat:</td> <td>Before 6 hours or after 30 hours to 4 days***</td> </tr> <tr> <td>Force Dry:</td> <td>10 minutes @ 180°F (Allow 10 minutes air dry)</td> </tr> </table>	To Touch:	15 - 30 minutes	To Handle:	1 hour*	To Dry:	10 hours**	Recoat:	Before 6 hours or after 30 hours to 4 days***	Force Dry:	10 minutes @ 180°F (Allow 10 minutes air dry)	<p>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.</p> <p>KEEP OUT OF THE REACH OF CHILDREN</p> <p>MEDICAL RESPONSE Emergency Medical or Spill Control Information (412) 434-4515; CANADA (514) 645 - 1320 Have label information available.</p> <p>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.</p> <p>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.</p>
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<p>* 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.</p> <p>** Paint film is not fully cured for 7 days.</p> <p>*** IMPORTANT! If this product is recoated between 6 and 24 hours, lifting of the previous finish will occur. Before 6 hours, the coating is adequately solubilized to prevent lifting, while after 24 hours to 4 days, the cure has progressed to a point where solvent resistance is achieved.</p>											
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<p>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.</p>											
<p>Recommended Spreading Rate 526-626 sq. Ft. At 1.0 mil dry film per U.S. gallon (varies by color). Coverage figures do not include losses due to mixing, transfer or application of coating or losses due to surface irregularities or porosity.</p>											
<p>Clean Up Toluene or xylene</p>											
<p>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. Brush and roller application is not recommended.</p>											

