

PRODUCT DATA SHEET

PRODUCT DESCRIPTION: Riley's Acrylic Alkyd is intended for use on properly prepared and/or primed metal surfaces for finishing or refinishing. Suitable applications include agricultural, construction, and industrial equipment, castings, and general metal fabrications.

ADVANTAGES:			CHARACTERISTICS:	APPLICATION:
WIDE BALANCE OF PERFORMANCE PROPERTIES: <ul style="list-style-type: none"> • Compatibility with Thermoplastic Acrylics • Fast Air Drying Properties • Can Be Force Dried • Good Color Retention • Good Outdoor Durability • Excellent Hardness and Mar Resistance • Excellent Gloss • Virtually any new or existing color standard can be quickly and precisely matched • Gloss can be matched to customer specifications • Can be formulated for lower Hazardous Air Pollutants—HAP's 			GLOSS: Full VOLUME SOLIDS: 25-35% Varies by color VISCOSITY: 25-55 Seconds Zahn #2 SPREADING RATE: 400-560 SQ. FT./GAL. At 1 Mil, No Application Loss PACKAGE LIFE: 2 Years DRYING: Air Dry @ 77°F (25°C) 45% RH To Touch: 10 MINUTES To Handle: 20 MINUTES To Recoat: After 10 minutes and less than 6 hours To Pack: 12- 24 HOURS FORCE DRY: Up to 200°F for 30 minutes for most colors. RECOMMENDED FILM THICKNESS: WET: 3.0-6.0 MILS DRY: 1.0-2.0 MILS REDUCTION: Xylene, Toluene, D-100, D-150, N-Butyl-Acetate CLEAN UP: Toluene or Xylene. WARNING. Residue from clean up is flammable.	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. Condensation will cause paint film failure. SURFACE PREPARATION: METAL: Apply to properly cleaned or treated metal surface. A solvent wipe to remove contaminates or sandblasting will work. Sand blasted metal may require more dry film thickness to fully cover blasted profile. Priming metal prior to topcoating is recommended for best overall properties. Preprimed surfaces may need to be lightly sanded and tacked off for best inner coat adhesion. Chemical treatment will improve the adhesion and performance properties of the paint. Treatment may consist of an iron phosphate chemical pretreatment. Riley manufactures several chemicals for surface preparation. ALUMINUM AND GALVANIZED IRON (UNTREATED): Prime with a vinyl wash primer then coat with an alkyd primer followed by a topcoat. WOOD (INTERIOR): No primer is required for properly prepared, previously painted surfaces. For new wood priming is recommended. Riley has specialty wood coating products that may work better. CONVENTIONAL SPRAY: Reduce to the desired viscosity using a solvent that has the appropriate reduction strength and dry time. Add with agitation. Spray at 40-60 psi atomizing pressure and 15-20 psi fluid pressure. Viscosity 20-35 seconds #2 EZ. AIRLESS SPRAY: Reduce to the desired viscosity using a solvent that has the appropriate reduction strength and dry time. Use .013"-0.017" tips and 12"-16" fan for best application. Viscosity 45-55 seconds #2 EZ. WARNING. Over spray residues will spontaneously combust. DIP: Larger parts may require slower drying solvent to allow for better run off. Viscosity 35-55 seconds #2 EZ.
SOLVENT REDUCTION DATA:			PRODUCT LIMITATIONS: <ol style="list-style-type: none"> 1. Should be recoated within 6 hours of ambient cure. When recoating over cured paint, sanding with fine sandpaper is necessary. 2. For improved corrosion resistance or film build such as on sand blasted or rough surfaces, use a primer. 3. Blocking or sticking may occur when flat surfaces are stacked before adequate cure. Allow at least 24 to 48 hours drying before stacking depending on dry film thickness. 4. For best application of applying paint to a substrate the temperature of the paint should be between 65-90°F (18-32°C). If specified temperature is not met poor atomization can result. 5. Stir thoroughly before and during use. Stirring is critical to maintaining consistent coating material parameters. 6. Hardner: May be mixed with Riley's urethane coating additive at an 8:1 mix ratio to improve hardness and overall durability. Pot Life 2-4 Hours. 	
Solvent	Comparative Spot Dry	Reduction Strength		
Toluene	1 min. 5 sec.	Strong		
Xylene	2 min. 40 sec.	Strong		
D-100	6 min. 30 sec.	Average		
D-150	22 min.	Average		
N-Butyl-Acetate	2 min. 7 sec.	Strong		
Methyl Ethyl Ketone	35 sec.	Strong. Used to enhance electrostatic wrap.		