

PRODUCT DATA SHEET

PRODUCT DESCRIPTION: Riley's VT Fast Dry Alkyd Enamel 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 metal fabrications.

| ADVANTAGES: | | | CHARACTERISTICS: | APPLICATION: | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|---|--|--|--|---------|----------------------|--------------------|--------------|----------------|------|---------|---------------|--------|--------|----------------|--------|-------|----------------|---------|-------|---------|---------|-----------------|---------------|--------|---------------------|
| WIDE BALANCE OF PERFORMANCE PROPERTIES: <ul style="list-style-type: none"> • Very Fast Air Dry • High Gloss • Fast Recoat Time • Good One Coat Protection • Good Durability • Good Film Toughness • Good Flow and Leveling • Film hardness • 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: 20-50 Seconds Zahn #3 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 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, VM&P Naphtha 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 failures. SURFACE PREPARATION: METAL: Apply to properly cleaned or treated metal surface. A solvent wipe to remove contaminants 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 25-55 seconds #2 EZ. AIRLESS SPRAY: Reduce to the desired viscosity using a solvent that has the appropriate reduction strength and dry time. Use .013"- .017" tips and 12"-16" fan for best application. Viscosity 20-30 seconds #3 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: <table border="1"> <thead> <tr> <th>Solvent</th> <th>Comparative Spot Dry</th> <th>Reduction Strength</th> </tr> </thead> <tbody> <tr> <td>VM&P Naphtha</td> <td>1 min. 55 sec.</td> <td>Weak</td> </tr> <tr> <td>Toluene</td> <td>1 min. 5 sec.</td> <td>Strong</td> </tr> <tr> <td>Xylene</td> <td>2 min. 40 sec.</td> <td>Strong</td> </tr> <tr> <td>D-100</td> <td>6 min. 30 sec.</td> <td>Average</td> </tr> <tr> <td>D-150</td> <td>22 min.</td> <td>Average</td> </tr> <tr> <td>N-Butyl-Acetate</td> <td>2 min. 7 sec.</td> <td>Strong</td> </tr> <tr> <td>Methyl Ethyl Ketone</td> <td>35 sec.</td> <td>Strong. Used to enhance electrostatic wrap.</td> </tr> </tbody> </table> | | | Solvent | Comparative Spot Dry | Reduction Strength | VM&P Naphtha | 1 min. 55 sec. | Weak | 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 |
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