

Riley Paint Company

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PRODUCT DATA SHEET

PRODUCT DESCRIPTION: Riley's Hi Heat(750F) Medium Dry Silicone Modified 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"> Fast Air Dry High Gloss Fast Recoat Time Good One Coat Protection Good Exterior Durability Good Flexibility And Film Toughness Excellent 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 Temperature resistance to 750° F 			GLOSS: Full VOLUME SOLIDS: 25-35% Varies by color VISCOSITY: 40-60 Seconds Zahn #2 EZ 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: 15 MINUTES To Handle: 40 MINUTES To Recoat: AFTER 40 MINUTES To Pack: 24 HOURS Full Cure: 2 to 4 Weeks 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 failures. SURFACE PREPARATION: METAL: Apply to properly cleaned or treated metal surface. Remove all rust, oil, grease, dirt or other debris prior to painting. 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 alkaline wash followed by a thorough clean water rinse. 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. Typically sprayed at viscosity as manufactured, do not reduce below 30 seconds in Zahn #2EZ AIRLESS SPRAY: Reduce to the desired viscosity using a solvent that has the appropriate reduction strength and dry time. Typically sprayed at viscosity as manufactured. Use .013"-.017" tips and 12"-16" fan for best application. Use minimum fluid pressure required to achieve proper atomization. WARNING: over spray residues may 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 – Do not use this solvent</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 – Do not use this solvent	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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KEEP OUT OF REACH OF CHILDREN
Consult MSDS for more information.

Revised 12-09-10