

## TECHNICAL DATA SHEET

**PRODUCT NAME:** 1KsbPU one component solvent based poly-urethane coating.

**PRODUCT FEATURES:** Tough, Durable coating based on proven alkyd-acrylic-polyurethane technology. Good hiding power, excellent toughness and exterior weather resistance. Easy one coat application, economically priced for industrial use. Can be used as a Direct to Metal (DTM) with proper surface preparation.

**RECOMMENDED USES:** Use on ferrous and non-ferrous metal surfaces. Can also be applied on well weathered galvanized metals and well prepared and treated metal surfaces.

**SURFACE PREPARATION:** Good surface preparation is essential for optimum performance of paint. Substrates must be dry, free of dirt, grease and loose debris. Remove rust, mill scale with abrasive cleaning if necessary. Please get an expert opinion before spraying hard to stick surfaces or for problematic conditions.

**APPLICATION EQUIPMENT:** Each paint has its own thickness and viscosity which can be further affected by temperature. Please check the proper pump pressures, tip sizes, atomizing pressures that are best suitable to get the most efficient spray pattern for the correct mil thickness. Thin with up to 10% if needed.

**APPLICATION CONDITIONS:** Substrate temperature should be above 50 deg. F and less than 80 % humidity. Intra-day Cold temps or high humidity will affect the proper chemistry of the paint dry mechanism and could lead to paint failure. It is imperative all proper applications conditions are met. Protect lines till completely dry.

**STORAGE & WASTE DISPOSAL:** Flammable, solvent based paint. For professional use only. Keep paint from freezing. Keep away from children. Proper agitation and mixing of paint is imperative to ensure proper spray consistency, application results and performance. Make sure lids are properly closed and resealed properly to avoid any spillage during prep work or transportation. Keep flammable paints from heat or flame and proper grounding is done while poring, mixing, spraying and cleaning of spray equipment. Strictly comply with all local and federal regulations during storage, application and disposal of paints.

### SPECIFICATION DATA

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| <b>Resin Type:</b> Polyurethane-Alkyd, solvent base, one component. | <b>Weight per Gallon:</b> 8.2 – 8.5              |
| <b>Container:</b> 5 gallons or 55 gallons metal containers.         | <b>Coverage:</b> 300-400 sq. feet per gallon.    |
| <b>Color:</b> White and custom colors.                              | <b>Grind:</b> 5 Hegman minimum.                  |
| <b>Viscosity:</b> 68 - 75 KU.                                       | <b>Dry mechanism:</b> oxidation.                 |
| <b>Finish:</b> Matt   | <b>Dry Opacity:</b> 5 mils Bird, .92 min.        |
| <b>Weight Solids:</b> 48 - 54 %.                                    | <b>Directional Reflectance:</b> 55 min.          |
| <b>Volume Solids:</b> 45 – 50 %                                     | <b>Water Resistant:</b> Good.                    |
| <b>Volatile Organic Compounds:</b> 2.94 lbs/gal or 353 gms / lit.   | <b>Clean-up:</b> Paint Thinner, Mineral Spirits. |
| <b>Drying Time:</b> at 77 deg. 50 % RH, maximum 60 minutes          | <b>Flash Point:</b> ND, Flammable.               |
| <b>OverCoat Time :</b> at 77, 50 %RH, Min :60 mins Max: indefinite  | <b>Storage:</b> Keep away from Heat or Sparks    |

**Disclaimer:** There are no warranties which extended beyond the information in the TDS. TCC warrants this product to conform to its own specifications. Manufacturer's liability on this warranty is limited to the return of the purchase price of this product. The buyer assumes all risks and liability resulting from the use of this product. USSC neither assumes nor authorizes any person to assume for it any other liability in connection with the sale or use of this product. Request a MSDS if needed.