



# Tech Data Sheet

## 600 Series Hi-Heat Enamel

<b>PRODUCTS</b> CPS-600 Hi-Heat Clear Base CPS-602 Hi-Heat Aluminum CPS-606 Hi-Heat Black CPS-610 Hi-Heat White CPS-616 Hi-Heat Flat Black	
<b>DESCRIPTION</b> 600 Series is a single package, heat resistant silicone base coating for the exterior protection of hot metal surfaces. For temperatures up to 600°F peak and 350°F constant.	<b>RECOMMENDED USES</b> One or two coats of 600 Series is recommended for the protection of stacks, hot piping, vessels, furnaces, ovens, kilns, and boiler casings.
<b>PHYSICAL PROPERTIES</b> GENERIC TYPE    Silicone Modified Alkyd COLOR            Limited Colors Available, others upon request SOLID CONTENT    55% by weight, 42% by volume VISCOSITY        63 +/- 2 KU SHELF LIFE        One year FLASH POINT      80°F COVERAGE        678sq.ft. per gal. at 1mil (theoretical coverage) THICKNESS        Recommended 1.0-2.0mil DFT DRY TIMES         1 hour to tack free 4 hours to recoat 1 hour @ 400°F to dry hard	<b>SURFACE PREPARATION</b> All surfaces must be dry, clean, and free from all dirt, oil, and grease. Remove all loose or scaling paint. Clean any oil, grease or wax residue. The use of a primer is not recommended as it will lower the heat rating of the coating.
	<b>MIXING INSTRUCTIONS</b> Mix well before using. Make sure to stir from bottom to top to ensure proper mixing. -1 Part Paint -10-15% UR Series Reducer (spray application)
<b>RECOATING</b> It is crucial not to recoat between 3 and 24 hours, as wrinkling may occur. After 24 hours, job will require cleaning and roughening of the undercoat to ensure optimum intercoat adhesion.	<b>EQUIPMENT</b> The following equipment has been found suitable; however, equivalent equipment may be substituted. Air Spray: 1.6 -1.8 needle, Conventional or HVLP Airless: Graco 240-000 gun, 0.15 orifice, 30:1 pump
<b>APPLICATION</b> Do not apply in rain, excessive humidity or in freezing weather. For spray application, thin with UR Series Reducer or other appropriate thinner as needed. Thinning adds to VOC content - check local regulations. Apply paint over clean surfaces for best finish. Apply smooth even coats not to exceed 5 mils wet, as wrinkling (loss of gloss) and slowing of dry may occur from excessive one coat thickness. For additional information, contact authorized distributor. Brush, roller, or spray.	
<b>CLEAN UP</b> Clean all equipment immediately after use with UR Series Reducer or lacquer thinner.	
<b>CAUTIONS</b> CONTENTS ARE FLAMMABLE LIQUID Vapors may cause flash fires. Keep away from heat, sparks, and open flame. During use and until all vapors are gone. Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. VAPOR HARMFUL Use only with adequate ventilation. Wear an appropriate properly fitted vapor/particle respirator (NIOSH/OSHA approved) during and after application. Follow respirator manufacturer's directions for respirator use. Avoid contact with eyes and skin. Wash hands after using. Keep container closed when not in use. Do not transfer contents to other containers for storage. FIRST AID: IF INHALED: If affected, remove from exposure. Restore breathing, keep warm and quiet. IF ON SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing. Launder before re-use. IF IN EYES: Flush eyes with large amounts of water for 15 min. Get medical attention. IF SWALLOWED: Get medical attention immediately. SPILL AND WASTE: Remove all sources of ignition. Ventilate and remove with inert absorbent. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State and Local regulation regarding pollution. DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE: Contains solvents which can cause permanent brain damage and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. DO NOT TAKE INTERNALLY - KEEP OUT OF REACH OF CHILDREN	
<b>WARRANTY</b> CPS Coatings guarantees the standard quality of this product and its adherence to our specifications. However, as the use of this product is beyond our control, we expressly disclaim responsibility for its handling, storage, use, results obtained or any injury or special indirect or consequential damage of any nature whatsoever.	