



Warren Paint and Color Co.

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Product Data Sheet

M 12835
High Heat Aluminum
High Temperature Enamel

Heat Resistant
Weather and Corrosion Resistant
Ideal for Exterior Hot Metal Surfaces

Warren's *High Heat Enamels* are formulated to withstand exposure to elevated temperatures on interior and exterior metal structures. *High Heat Enamels* are supplied ready to spray and fully cure overnight. They are recommended for application to interior and exterior steel surfaces such as mufflers, smoke stacks, asphalt plants, and steam pipes that will be exposed to temperatures up to 800° F. *High Heat Enamels* are also available in black and a high build version to best suit the your metal protection needs.

- Surface Preparation:** Remove all dirt, scale, and grease. For best results, shotblast or obtain a commercial blast. Sanding or wire brush removal of any oxidation or scale is recommended if blasting is not feasible. Material self primes in two coats.
- Mixing and Thinning:** Stir or shake well. Thinning should not be necessary. If necessary, thin sparingly with *S 46, Spraying Thinner; S 3, VM&P Naphtha*; or another recommended thinner. Do not over-thin.
- Application:** Apply as supplied for airless spray. Thin as directed for conventional or H.V.L.P. spray. Apply between 50 and 95°F with the relative humidity less than 80%. Do not expose to dew or rain within eight hours after painting. Do not allow the painted structure to exceed 140° F for at least 24 hours after application. For best results apply two coats.
- Dry Time:** 1-1/2 hours to touch. Eight hours to handle. Twenty-four hours hard.
- Recoat Time:** Before one hour and after twenty-four hours.
- Appearance:** Satin finish silver film.
- Pigmentation:** Aluminum.
- Vehicle:** Silicone (22%) alkyd resin reduced with mineral spirits and VM&P naphtha.
- % Solids by Weight:** 41.3
- % Solids by Volume:** 26.9
- Coverage:** 431 square feet per gallon at 1.0 mil DFT (100% transfer and zero profile).
- V.O.C.:** 4.68 lb/gal
- Cured Film Properties:** Good anticorrosive properties over steel and most metals. Good water and chemical resistance within twenty-four hours. Good resistance to aliphatic solvents and many oils within seven days.
- Standard Packaging:** One gallon cans (packaged four per case). Fives and drums are available by special order.