

High Temperature Liquid

General Description

High Temperature Liquid is a high quality, flat finish pure silicone alkyd, designed to resist temperatures up to 1200°F (649°C). This coating is formulated to provide long-term protection. To achieve high temperature resistance, heat must be applied between 600°F - 800°F (316-427°C) to the painted metal in order to fuse the coating to the surface. The maximum heat resistance of High Temperature Liquid occurs only after the fusion process.

Typical Uses

As an economy coating for use directly over the properly prepared surfaces for indoor and outdoor chemical and refinery installations, diesel generator exhaust, bake oven applications, foundries, and special applications in the aircraft and space industries where the following attributes are desirable:

- Good hide and coverage
- Long-term protection
- Resists heat up to 1200°F (649°C)

Compatibility with Other Coatings

- Not compatible with the use of a primer.

Not Recommended For

- Immersion service in potable water, chemicals or hydrocarbons
- Extreme UV exposure without topcoat

Color

982 Black
983 Aluminum

Application

Surface Preparation

BARE FERROUS METAL: Clean off all dirt, grease, oil, wax or other foreign matter. All loose, powdery or scaling rust must also be removed. A completely de-rusted surface is recommended. All surfaces should be cleaned with solvent (SSPC-SP1) to remove any grease or oil contaminants prior to painting.

Physical Properties of the Coating

Viscosity:	55 - 65 Kneb Units @ 77°F
Volume Solids:	31% - 38%
Weight Solids:	46% - 56%
Solvents Used:	Aliphatic Hydrocarbon / Ketones
Flash Point:	1°F/TCC
Gloss:	Low gloss
Recommended DFT:	1.5 - 2 mils DFT. (4-6 mils WFT)

Application by spray only.

Safety and Handling

Ready to use paint materials containing isocyanates can cause irritation of the respiratory organs and hypersensitive reactions. Asthma sufferers, those with allergies and anyone with a history of respiratory complaints must not be asked to work with products containing isocyanates.

Do not sand, flame cut, braze or weld dry coating without a NIOSH approved air purifying respirator with particulate filters or appropriate ventilation and gloves.

TO AVOID SPONTANEOUS COMBUSTION, SOAKED SOILED RAGS, SPRAY BOOTH FILTERS, OVERSPRAY WASTE AND DRY DUST SWEEPINGS MUST BE PROPERLY DISCARDED IN WATER FILLED CONTAINERS AND DISPOSED OF IN ACCORDANCE WITH LOCAL DISPOSAL REGULATIONS.

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