

HIGH HEAT ALUMINUM

Description:

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

Partial List of Uses:

- Boiler fronts • Heat exchangers • Special applications in the aircraft and space industries
- Smoke stacks • Indoor and outdoor chemical and refinery installations • Mufflers

Benefits:

- Good hide and coverage • Long-term protection
- Resists heat up to 1200°F



TECHNICAL DATA

Product Number:	983
Colors:	Aluminum
Viscosity:	55 - 65 Kreb Units @ 77°F
Solids by Weight:	46% - 56%
Solids by Volume:	31% - 38%
V.O.C. (Volatile Organic Compounds):	420 grams per liter or less, (3.5 lbs/gal)
Solvent(s) Used:	Aliphatic Hydrocarbon / Ketones
Finish:	Low Gloss
Flash Point:	1°F/TCC
Dry-To-Touch @ 77°F:	2 hours
Dry-To-Handle @ 77°F:	2 - 4 hours
Coverage (Theoretical):	578 - 598 square feet per gallon @ 1 mil DFT

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Directions for use:

IMPORTANT! The contents of this can are subject to gassing. To avoid pressure build-up in the can, storage temperatures should not exceed 85°F. Periodically release the gas by covering the lid with a cloth and opening the lid. Cautiously open lid with gradual release of possible pressure build-up in the can.

CAUTION: To avoid contact with eyes, wear proper eye protection. Replace and secure lid before returning to stock.

STORAGE: To avoid pressure build-up in the can, storage temperatures should not exceed 85°F.

SURFACE PREPARATION

GENERAL: All surfaces to be painted must be clean, dry and in fit condition to be painted. Be sure to remove all wax, silicone, oil powdery or scaling rust, loose or peeling paint and all other foreign matter. Smooth, slick surfaces should be sanded to give a mechanical tooth for adhesion purposes. Ideal surface profile is 1.5 mil.

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. Sand blasted cleaned to a cleanliness of Swedish Standard SA 2 1/2 (equivalent to SSPC SP-10-Near White Metal Blast Cleaning).

PAINTED SURFACES: Be sure all loose and peeling paint is completely removed, and the surface is clean. Remove excess chalkiness with a wire brush or by sanding.

MIXING: Mix thoroughly before use and/or after thinning.

THINNING: If thinning is necessary, use Ellis 80/20 Zero VOC Exempt Solvent.

APPLICATION: DO NOT APPLY TO HOT STEEL. Do not apply over primer. Apply HIGH HEAT ALUMINUM directly over the properly prepared surface. Apply 1 solid covering coat (2 mils dry film thickness) is sufficient. 1.5 mil dry film thickness is ideal. Coating thickness in excess of 3 mil is not suitable. Thick film may result in blistering and disbonding. To achieve high temperature resistance after application, wait 12 hours or longer and then heat gradually between 600°F - 800°F, to fuse the coating to the surface. Temperature increase of 185°F per hour is ideal. Temperature increase of greater than 300°F per hour is not recommended.

CLEAN-UP: Equipment should be thoroughly cleaned immediately after use in an enclosed spray equipment cleaner with Ellis 80/20 Zero VOC Exempt Solvent.

SHELF LIFE: Shelf life is 1 year from date of manufacture when stored at temperatures not to exceed 90°F.

*V.O.C. Rule and Regulation requirements are mandated by local air management districts and change from district to district. Refer to your local V.O.C. Rules and Regulations from your air resources board or on the web at www.arb.ca.gov/capcoa/roster.htm

Refer to the product label and Material Safety Data Sheet (MSDS) for cautions and warnings pertaining to this product.

Limited Warranty:

Ellis Paint Company certifies that all Ellis coatings delivered to the customer in new, sealed containers will meet all pertinent quality standards presented in Ellis published literature. Since matters of surface preparation, application procedures and other local factors which affect performance are beyond its control, Ellis assumes no liability for coating failure other than to supply replacement material for Ellis coatings shown to be defective. If you have questions, contact your dealer, visit www.ellispaint.com, or call Ellis Paint Company. There is no other warranty, either expressed or implied.

