

Product Data Sheet

No. **10630** - 05/23

HI-TEMP PAINT

AEROSOL CARB MIR ≤ 1.85

PRODUCT NUMBERS:

Z630 - ALUMINUM
Z635 - BLACK
Z642 - MACHINERY GRAY
Z645 - WHITE

I. GENERAL DESCRIPTION

Description: Zynolyte® Hi-Temp Paint is a flame resistant and heat resistant coating uniquely formulated to produce a lasting finish that is resistant to surface temperatures reaching up to 1,200°F (649°C). It is expressly designed for use on metal surfaces subject to extreme heat.

Benefits: Best used where high temperature protection is vital. Use on interior and exterior applications. Fast drying. Once cured, this product is extremely tough, offering a hardened surface coating resistant to corrosion and pitting of the surface it covers. Will not chip off or peel away. Will not discolor or chalk. Offers excellent resistance to gasoline, rust, salt sprays, oils, greases, humidity and temperatures up to 1,200°F (649°C).

Application: May be used on all exposed metal surfaces, particularly where extreme heat resistance is required, such as engine manifolds, mufflers, incinerators, space heaters, outside of barbecues, fireplaces, etc.

Directions: For best results, apply only enough paint to provide complete coverage of the substrate. Apply only to surfaces between 50° and 95°F (10° and 35°C). All surfaces must be clean, dry, and free of all dust dirt, grease, wax, mildew, or other contaminants that would adversely affect paint adhesion. Extremely slick, glossy surfaces should be lightly sanded. Areas with exposed rust should be scraped clean with a scraper or wire brush. Cover adjacent areas to protect from spray mist. To achieve the highest temperature protection and to thoroughly cure the coating, allow coating to air-dry for 30 minutes then gradually increase the temperature between 450° to 650°F (232° to 343°C), two to three times, allowing it to cool to room temperature between firings. While curing, smoke will be emitted from the film therefore, good ventilation of the work area is required. Shake can for at least one minute after rattle of agitator ball is heard, and intermittently during use. Hold can 8 to 12 inches from surface to be coated, and press sprayhead firmly. Use steady, even strokes while spraying. After spraying, turn can upside down and press spray button for approximately two seconds to clear paint from valve.

Limitations: Please refer to the Safety Data Sheets for specific information on material hazards, etc. Do not apply at temperatures less than 40°F (4°C).

Packaging:

Aerosol:	Cans (16 oz.)	11 oz. net wt. (312 g)	13.1 fl. oz. (387 ml)
	Case (12/case)	14 lbs. (6.36 kg)	0.47 CF (0.013 CM)

II. CHARACTERISTICS & PROPERTIES (Average for all colors)

Specifications:

None

Appearance:

Gloss at 60°<5%

ClassFlat

Coverage:

Theoretical—at 1 mil dry.....20 sq. ft./can

Practical—at 1/2 mil dry.....40 sq. ft./can

Drying Schedule: (At 77°F [25°C], 50% Humidity at 1 mil, dry)

To touch.....30 min.

To handle.....1 hr.

Full cureAfter firing surface according to "Directions" instructions.

To recoatAnytime

Performance and Chemical Properties:

Weight per gallon6.5 lbs.

Specific gravity0.78

ViscosityNot applicable

Flammability: Label markingExtremely flammable

Flash point.....<0°F (-18°C)

Operating temperature range.....50° to 95°F (10° to 32°C)

Maximum temperature resistance.....1200°F (649°C)

Percent solids by weight23%

Percent solids by volume12%

Percent pigment by volume.....5%

CARB MIR.....1.85

Interior durability.....Excellent

Exterior durabilityExcellent

Color fastnessExcellent

AdhesionExcellent after proper cure

Mineral Spirits resistance.....Excellent

Gasoline resistance.....Excellent

Motor oil resistance.....Excellent

Pencil hardness.....HB after proper cure

Base Materials:

Resin SystemSilicone

Solvents (top two)Acetone, n-Butyl Acetate

Propellant system.....Hydrocarbon

III. SHIPPING, STORAGE AND HEALTH

Aerosol

UN number.....UN1950

Proper Shipping DescriptionAerosols

Hazard Class.....2.1

Packing GroupN/A

Limited QuantityYes

Warehouse storage level numberNFPA 30B Level 2

Storage temperature32° to 120°F (0° to 49°C)

Shelf life1 to 2 years

HMIS ratings

Health2

Fire.....4

Reactivity1

IV. MISCELLANEOUS

Contains no Ozone Depleting Substances (O.D.S.)

V. WARRANTY

1-year warranty to the original registered owner on all products from date of purchase. User returns, exchanges and defective refunds must be made with the original place of purchase. Because Aervoe cannot control Buyer's handling or use of product, Aervoe makes no warranty expressed or implied when not used or stored in accordance with directions. Aervoe shall not be liable for cost of labor, incidental or consequential damages, and this warranty is limited to replacement or repair of product or credit of purchase.