

# Product Data Sheet

No. **10630** - 02/10

## HI-TEMP PAINT

AEROSOL VOC/MIR < 80% / 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. Allow Z642 to air-dry for 24 after application. Curing will take place as it is heated. For Z630, Z635 and Z645 in order to achieve the highest temperature protection and to thoroughly cure the coating, allow coating to air-dry then, gradually increase the temperature between 450° to 650°F (232° to 343°C), two to three times, allowing it to cool between firings. When 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 Material Safety Data Sheets for specific information on material hazards, etc. Do not apply to temperatures less than 40°F (4°C).

#### Packaging:

Aerosol:

Cans (211x604)

11 net wt. (312 g)

13.1 fl. oz. (387 ml)

Case (6/case):

7 lbs. (3.18 kg)

0.44 CF (0.012 CM)

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## II. CHARACTERISTICS & PROPERTIES (Average for all colors)

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### Specifications:

None

### Appearance:

Gloss at 60° .....<5%

Class ..... Flat

### 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 ..... 2 hrs.

Full cure ..... After firing surface according to "Directions" instructions.

To recoat ..... Anytime

### Performance and Chemical Properties:

Weight per gallon ..... 6.61 lbs.

Specific gravity ..... 0.80

Viscosity ..... Not applicable

Flammability: Label marking ..... Extremely flammable

Flash point ..... <0°F (-18°C)

Operating temperature range ..... 55° to 80°F (13° to 27°C)

Percent solids by weight ..... 21%

Percent solids by volume ..... 11%

Percent pigment by volume ..... 2%

Volatile Organic Compound level ..... <80%

CARB MIR ..... 1.85

Interior durability ..... Excellent

Exterior durability ..... Excellent

Color fastness ..... Excellent

Adhesion ..... Excellent

Mineral Spirits resistance ..... Excellent

Gasoline resistance ..... Excellent

Motor oil resistance ..... Excellent

Pencil hardness ..... HB after proper cure

### Base Materials:

Resin system ..... Acrylic, Silicone

Solvents (top two) ..... Acetone, Xylene

Propellant system ..... Hydrocarbon

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## III. SHIPPING, STORAGE AND HEALTH

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### Aerosol

IMDG number ..... 1950

D.O.T. container spec ..... 2P

D.O.T. shipping description ..... Consumer Commodity

Warehouse storage level number ..... NFPA 30B Level 3

Hazardous class (CFR-49) ..... **ORM-D**

Storage temperature ..... 32° to 120°F (0° to 49°C)

Shelf life ..... 12-24 months

### HMIS ratings

Health ..... 2

Fire ..... 4

Reactivity ..... 1

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## IV. MISCELLANEOUS

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

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## V. WARRANTY

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The statements made herein, on labels, product bulletins or by any of our employees or agents concerning this material are given for information only. Any liability whatsoever of Aervoe Industries, Inc. to the user of the product, is limited to replacement of the product or purchase price refunded.

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