

399 High Temperature Paint

Production Description

A single component, high temperature coating based on moisture cure silicon resin. It is suitable for temperature up to 650° C. Provide protection of steel from corrosion on equipment exposed to high temperature like Chimneys, Exhausts, Vents and Pipes.

Areas of Application

The product is recommended for equipment that exposed to high temperature like Chimneys, Exhausts, Vents and Pipes.

Technical Data

Colour	Black, white and silver
Solvent Resistance	Good
Toxicity	Dry film is not toxic
Thinning & Clean Up	Omega Enamel Thinner. Up to 10% thinner for spraying
Theoretical Coverage*	15 sq.m. / litre at 40 microns DFT, depends on surface profile*
Drying Time (at 25 C & RH 60%) **	Touch dry in 30 minutes ** / Recoat after 24 hours**
Sheen Level	Satin
Packs available	4 litres and 20 litres and spray (other sizes on request)

*Practical coverage depends on surface profile, method of application and dry film thickness. Higher film thickness leads to lower coverage.

** Cooler temperature, higher film thickness, or higher humidity conditions will lead to longer drying times.

Method of Application

Airless Spray

Surface Preparation

Remove all the dust, dirt, grease, and oil from the surface. Surfaces to be coated should be clean, dry, and free from other contamination. Before application of this paint, surface should be treated in accordance with ISO 8504:1992. If any surface defect found, it should be ground, filled or treated as per standard manner.

Note: Cooler temperature, higher film thickness, or higher humidity conditions will lead to longer drying times

Application

Stir thoroughly before use with a flat bladed stirrer or powered agitators. Thin paint with maximum 10% thinner to achieve desired viscosity in accordance to intended application method. Avoid over spraying. Must provide adequate ventilation during use. Do not apply at temperature below 10° C and provide adequate ventilation during use.

Note

QD Zinc Phosphate Metal Primer, as with all metal primers and undercoats are designed to be used as part of a coating system. Metal primers provide an anti-corrosive base coat and to add adhesion to the substrate. Metal primers and undercoats are not designed to withstand extended periods exposed to sun light and the external weather elements. It is recommended to prepare, prime, undercoat and finish coat within a short period to obtain the best long-term protection of the metal substrate.

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Mix and Colour Check

Mix the paint before application with a wide flat (25mm) paddle or a hand paint mixer with a perforated base, in a circular lifting motion from the bottom of the container for 5 minutes or until the paint and colour are thoroughly mixed. Remix the paint every 2 hours to ensure product consistency. Check colour to the colour chart/standard prior to application. Inner mix multiple containers together to ensure colour consistency. Replace and secure container lid during painting to prevent the paint drying within the container.

Coating Maintenance

Washing the painted surface periodically will maintain the look of a newly painted surface longer. Clean the surface with a diluted sugar soap or a mild detergent and rinse well with clean water. Do not use scouring pads, abrasive brushes, high pressure washing or solvent to clean the painted surface. These will damage the paint film and cause premature failure of the coating.

Flammability & Transport

- Highly flammable, Dangerous Goods Class 3.2, Flash Point 20 °C, UN 1263, PG III
- Keep away from heat and flame, eliminate any source of ignition.
- Soak all used cloths and rags immediately in water to prevent self-ignition.
- Ensure container is upright with lid secure.
- Ensure the container is secured in the vehicle for transport.

Environmental

- Do not wash painting equipment and allow waste to enter drains and water ways.
- Do not dispose of unwanted paint and thinners that will enter drains and water ways.
- Refer to state / local EPA and council web sites for environmental and safe disposal details.

Safety & Precautions

- Do not apply when surface temperature is below 10 °C or over 35 °C
- Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.
- Apply in calm fine weather conditions and only during daylight hours.
- Cease painting 2 hours before sunset or if weather changes are forecast.
- Use only the recommended thinner for dilution and cleaning.
- Check paint colour to the colour chart/standard prior to application
- Provide adequate ventilation during use.
- Keep out of reach of children
- Avoid exposure of the new paint film to steam for 48 hours and to washing or scrubbing for 7 days.
- Check crosscut adhesion test of old coating before repainting.
- Apply a test sample for compatibility of this product over a small test area.

Disclaimer: In lieu of all warranties expressed or implied, the seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither the seller nor manufacturer shall be liable for any injury, loss, damage, direct or consequential, arising out of the use of or inability to use this product. Since the use and application of this product is beyond the control of the seller and the manufacturer, the purchaser and user assume all risk and liability whatsoever, in connection with this product therewith.