

Z-Steel

DTM anti-corrosion acrylic coating
Metal surfaces and structures

PRODUCT DESCRIPTION

Z-Steel is a quick-drying acrylic resin coating designed for direct-to-metal (DTM) application. Its low-VOC anti-corrosion formula provides excellent adhesion to ferrous and non-ferrous metals. It resists corrosion, microbial attack and flash rusting, and dries to form a tough, durable film.

RECOMMENDED USES

Recommended for interior or exterior use on clean steel prepared according to applicable standards. Suitable for metal surfaces and structures. May be used as a primer coat.

SURFACE PREPARATION

Surfaces must be clean, dry and free of wax, grease, dried paint and other contaminants. Wire-brush rusted surfaces to remove rust and loose scale. Then clean with acetone to remove remaining residues, following the cleaner's handling precautions.

APPLICATION

Mix thoroughly before use. Apply at 10 to 30 °C using a brush, roller or spray equipment. Two coats are generally sufficient to achieve an appropriate dry film thickness. Clean tools with soapy water immediately after use.

THINNING

If required, thin with tap water by a maximum of 5 to 10%.

DRYING TIME

Touch dry: approximately 1 hour at 25 °C. Drying varies with temperature, relative humidity, surface texture and porosity. Reference conditions: 20 to 25 °C and 50% relative humidity.

PRODUCT CHARACTERISTICS

Appearance / colour

White liquid

Gloss (60°)

8 ± 2 at 60°

pH at 100%

8 to 9

Viscosity

78 ± 2 KU at 25 °C

VOC

Less than 100 g/L

Density

1.32 ± 0.02

Resin type

Acrylic

Pigments

Titanium dioxide and anti-corrosive pigments

Solvents

Water and ethylene glycol

Weight / U.S. gallon

11.1 ± 0.3 lb/gal

Solids by weight

53 ± 1%

Solids by volume

38 ± 1%

Dry film (DFT)

1.0 to 1.5 mils (25.0 to 37.5 µm)

Wet film (WFT)

2.5 to 3.8 mils

BASES AND PACKAGING

White, medium base and accent base.

Listed sizes: 18.9 L (5 U.S. gal) and 3.79 L (1 U.S. gal).

Z-Steel

DTM anti-corrosion acrylic coating
Metal surfaces and structures

APPLICATION CONDITIONS AND EQUIPMENT

Temperature: 10 to 30 °C (50 to 86 °F).

Relative humidity: ideal 50%; maximum 65%.

Brush: good-quality synthetic brush for touch-ups and small priming areas.

Roller: good-quality 10 mm synthetic roller for small surfaces.

Airless sprayer: 2,500 psi; tip size 0.015 to 0.019 in. Comparable equipment is also suitable.

COVERAGE

Theoretical: 642 ft²/U.S. gal (15.7 m²/L) at 1 mil (25 µm) dry film thickness.

Stated actual: 546 ft²/U.S. gal (13.4 m²/L) at 1 mil (25 µm) dry film thickness.

Requires confirmation: the reference sheet associates actual coverage with a 20% loss. This percentage does not agree with the two coverage figures. Values are retained without correction; confirm yield before estimating a project.

STORAGE AND SHELF LIFE

Store in a cool, dry, ventilated place at 15 to 25 °C. Keep containers closed when not in use. Protect from freezing.

Stated shelf life: 1 year in properly sealed containers stored in a cool, dry place.

SAFETY INFORMATION

- Keep container closed when not in use.
- Keep out of reach of children.
- Protect from freezing.

Read the product Safety Data Sheet (SDS) and label instructions before use.

WASTE DISPOSAL

Consult your municipality for disposal of leftover paint, or donate usable leftovers to a person or organization. Do not pour paint into drains.

In Québec, consult www.eco-peinture.ca for more information.

PHYSICAL PROPERTIES

Values are theoretical and may vary slightly from those of the finished product.

WARRANTY

Under any express or implied, contractual or statutory warranty, Zinox Coating Canada Ltd.'s liability is limited to replacement of goods found defective upon inspection.

Zinox Coating Canada Ltd. is not responsible for express or implied warranties made by its agents, representatives or employees concerning the goods or the product contained in this container.

CONTACT

Zinox Coating Canada Ltd.
925 boulevard De Maisonneuve Ouest
Montréal (QC) H3A 0A5

1 833 888 7738
info@zinoxcoating.com
zinoxcoating.com