

Corr-Ze™ 100: Physical Data

Corr-Ze™ 100 is a liquid material supplied in 5-gallon pails. Each 5-gallon container of Corr-Ze™ 100 concentrate typically makes 500 gallons of ready-to-use product when properly mixed with deionized water.

Color and Odor: Clear, very light amber liquid with a characteristic amine odor.

Typical Viscosity: Water-like

Corr-Ze™ 100: Intended Uses

- Corr-Ze™ 100 can be used in conjunction with surface preparation using various blasting methods.
- Corr-Ze™ 100 can be used as part of a revolutionary one-step blast and clean surface preparation process, that cleans on a microscopic level to remove surface contaminants including, but not limited to:
 - Water-soluble and non-water-soluble contaminants
 - Corrosion and protective coatings in conjunction with abrasive blasting and UHP treatment

After Surface Preparation and Prior to Protective Coating – Corr-Ze™ 100 can be used anywhere a protective coating will be applied to a metal substrate and extended coating service life is desirable. Coatings applied over Corr-Ze™ 100 cleaned surfaces significantly outperform coatings which are applied over substrates prepared with only by means of conventional surface preparation standards. Corr-Ze™ 100 is “coating-neutral,” does not leave any residue, and is not a film-former. It can be used with any coating system.

Corr-Ze™ 100: Surface Preparation

One Step Surface Cleaning: In conjunction with surface preparation, Corr-Ze™ 100 can be added to water solutions used in high and ultra-high-water blasting, with or without media. In vapor blast and slurry blast, Corr-Ze™ 100 can be used at 1:100 or up to 4:100 ratios. Corr-Ze™ 100 can also be used post surface preparation, post media blast, mechanical abrasive preparation, or hand tool cleaning. An application of 1:100 up to 4:100, with a pressure washer to remove soluble salts; however other methods could be used.

Corr-Ze™ 100: Mixing

Mix Ratio: 1 gallon of Corr-Ze™ 100 to 100 gallons of preferably deionized water (1% solution) or fresh, clean potable water with >200 ppm of chlorides.

For optimal results, Corr-Ze™ 100 can be used up to 4:100 gallons of Charcoal filtered water or DI water (4% solution).

Corr-Ze™ 100: *Working Pot Life*

Corr-Ze™ 100 working pot life is 30 days, depending on water quality. Mix only as much Corr-Ze™ 100 as needed for the project. The ready-to-use Corr-Ze™ 100 should be used within thirty days of mixing.

Corr-Ze™ 100: *Drying Time*

Surfaces treated with Corr-Ze™ 100 solution will dry to touch within 20 – 30 minutes depending on relative humidity, wind and air movement, air temperature and substrate temperature. Corr-Ze™ 100 washed surfaces may be coated as soon as the substrate is dry. In cool, humid conditions drying time may be accelerated by increasing air flow over the substrate. Be careful not to contaminate the surface.

Deposition of atmospheric contaminants may settle on the Corr-Ze™ 100 prepared surface if left exposed and uncoated.

Note: For offshore and port applications, please consult with your Corrosion Innovations representative.

Corr-Ze™ 100: *Surface Appearance After Application*

After drying, carbon steel surfaces prepared with Corr-Ze™ 100 may exhibit a variety of appearances, from a bright mirror-like finish to a dull gray appearance. Such variation is normal and depends on the composition of the steel, method of surface preparation, anchor profile (if any) and other factors. Effectiveness of the Corr-Ze™ 100 process may be confirmed by testing the surface for residual salts using industry approved methods.

Corr-Ze™ 100: *Clean Up*

Thoroughly flush all equipment with potable water according to normal maintenance procedures. Dispose of cleanup waste in accordance with all local ordinances.

Corr-Ze™ 100: *Theoretical Coverage*

Corr-Ze™ 100 Square footage coverage is dependent on concentration and process equipment used.

Note: Please contact your Corrosion Innovations representative for estimating practical coverage.
