

# Corr-Ze™ 200

## Soluble Salt and Flash Rust Remover



### PRODUCT DESCRIPTION

Non-toxic soluble salt and flash rust remover

### INTENDED USES

**Corr-Ze™ 200** is a revolutionary two-step surface decontamination process, comprised of two products (Corr-Ze™ 200 and Corr-Ze™ 100) that clean at the microscopic level to remove surface contaminants including, but not limited to:

- Water-Soluble Contaminants
  - Chlorides
  - Sulfates
  - Nitrates
- Non Water-Soluble Contaminants
  - Sulfides
  - Flash Rust
  - Blast Media

Corr-Ze™ 200 process can be used after surface preparation and prior to protective coating applications. The process is for use wherever a protective coating will be applied to a metal substrate and extended coating surface life is desired.

Coatings applied over the Corr-Ze™ 200 cleaned process can significantly outperform coatings applied over substrates prepared by conventional surface preparation standards.

Corr-Ze™ 200 is “coating-neutral.” It is not a film-former and does not leave any residue on the substrate. It can be used with any coating system and can be used before and after welding. Corr-Ze™ 200 improves weld strength by removing contaminants that negatively affect puddling and weld porosity and can clean weld flame residue and other surface contaminations after welds have cooled.

### Corr-Ze™ 200

<b>Physical Data</b>	<b>Corr-Ze™ 200</b> is supplied as a gel and packaged in a 5-gallon pail.
<b>Color</b>	Glear gel. Product may appear white in color due to entrained air being inducted into the product during the mixing process.
<b>Typical WFT</b>	6-12 mils wet film thickness depending on severity of contamination.
<b>Theoretical Coverage</b>	267-134 sq. ft / US gallon at 6 mils WFT and 134 sq. ft. / US gallon at 12 mils WFT. Allow for normal loss factors during mixing, handling, and application when estimating practical coverage.
<b>Mix Ratio</b>	Each 5-gallon pail of Corr-Ze™ 200, Part 1 mixed with 12 oz of Corr-Ze™ 200, Part 2 makes five gallons of the gel.
<b>Mixing</b>	Using drill with clean mixing head, add 12 oz. of Corr-Ze™ 200, Part 2 with full bucket of Corr-Ze™ 200, Part 1. After mixing, clean the mixing shaft and blade with clean water, or rinse with Corr-Ze™ 100 solution that is set up for rinsing the substrate. <i>Always ensure that the mixing blade is clean prior to and after usage.</i>

### Targeting Corrosion at its Core™



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<b>Corr-Ze™ 200</b>	<b>Working Pot Life</b>	12-24 hours at 85° F or as long as Corr-Ze™ 200 material remains gelled. Mix only as much Corr-Ze™ 200 as required for one day's project application. Remix product after standing for over 8 hours.
	<b>Equipment</b>	Corr-Ze™ 200 may be applied by brush roller, airless or conventional spray, using clean equipment suitable for mild acid product. If spray equipment, hoses, and gun have been used previously for applying paint, flush with strong solvent, then with potable water, and lastly with a single rinse of deionized water. When possible, use new or dedicated fluid hose. For airless spray, use the minimum pressure required to produce a working fan; tip sizes may range from .021 to .031, depending on size and complexity of surfaces to be coated. Fan sizes are dependent upon the contractor and the project. For conventional spray, use a plastic pot liner whenever possible. Use a gun, needle, and tip combination suitable for spraying this gel. Use a sufficient pot pressure and atomization pressure to produce a uniform fan.
	<b>Surface Preparation</b>	<p>All surfaces to be treated with Corr-Ze™ 200 should be clean, dry, and free from interference materials. Corr-Ze™ 200 will work over any surface profile.</p> <p>Prior to applying Corr-Ze™ 200 to substrates:</p> <ol style="list-style-type: none"><li>1. Oil, grease, and other contaminants must be removed from the substrate surface in accordance with SSPC-SP1 solvent cleaning standards.</li><li>2. Substrates to be treated with Corr-Ze™ 200 should be prepared by means of mechanical abrasion cleaning, abrasive blasting, vapor abrasive blasting, or ultra-high-pressure-water blasting to remove all visible interference materials.</li></ol> <p><b>Note:</b> <i>Corr-Ze™ 200 may be applied before or after flash rusting of the steel following the blasting process.</i></p>

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<b>Corr-Ze™ 200</b>	<b>Application</b>	<p>For use in acid pickling under SSPC- SP 8. Corr-Ze™ 200 should be applied and rinsed from top to bottom. The preferred method to apply the gel is by airless or conventional spray. The gel may be applied by brush or medium nap paint roller; however, care must be taken to ensure that the required minimum wet film thickness is consistently achieved. While it is optimum to rinse the gel off in less than an hour, the dried gel can be removed with 1-2% Corr-Ze™ 100 solution. For typical applications, apply 6 to 12 mils of Corr-Ze™ 200 gel. Use a wet film thickness guage to check proper application. Do not apply to excessive thicknesses due to possibility of sagging. Brush or roller application may be used for small areas or where spray application is not allowed. Use rollers or brushes suitable for waterborne paint application. Corr-Ze™ 200 may be applied after flash rusting occurs caused by wet abrasive blasting. This method allows the applicator to blast a complete area without the need to paint out on the same day.</p>
	<b>Dwell Time</b>	<p>“Dwell time” is the length of time required after application for Corr-Ze™ 200 to clean and passivate the surface. Minimum dwell time at 70° F (21° C) is approximately 20 minutes. Additional dwell time may be required and is recommended for badly contaminated surfaces, or for very deep anchor profiles. (Keep) Washing: To complete the process, Corr-Ze™ 200 must be pressure washed off prepared surfaces using properly mixed Corr-Ze™ 100. Optimal rinsing pressure should be 5000-6000 psi with nozzle 4 inches from the surface. Turbo nozzles that clean the substrate evenly, without leaving circular marks, work excellent. Do not wash surfaces prepared with Corr-Ze™ 200 with tap water. Only use Corr-Ze™ 100 solution, preferably prepared with deionized water or clean filtered water with less than 200 PPM chlorides. Do not coat surfaces prepared with Corr-Ze™ 200 which have not been properly washed with Corr-Ze™ 100 solution.</p>
	<b>Clean Up</b>	<p>Thoroughly flush all equipment with clean water and store according to the manufacturer’s recommendation. Dispose of cleanup waste in accordance with all local ordinances.</p>