

**Technical Data****PRODUCT DESCRIPTION**

CHEM-O-Z™ W/R is a two component organic water borne zinc rich primer for use where corrosion resistance is paramount. Provides cathodic protection through sacrificial electro-chemical reaction of the zinc pigment. Used on steel structures, trucks, trailers, railway cars, bulk tanks or chemical trailers.

FEATURES

- Excellent adhesion
- Solvent resistant
- Excellent corrosion resistance
- Low VOC
- Water dilutable and water cleanup

PRODUCT DATA

<u>Description</u>	<u>Results</u>
Vehicle Type	Epoxy-Amine
Colors	Gray
Gloss	Low
VOC (mixed).....	263 g/L (2.2 lbs/gal)
Weight/Gallon (mixed).....	23.12 pounds
Solids by Weight (mixed).....	82.5%
Solids by Volume (mixed).....	49.7%
Viscosity	7500 - 9000 cps
Flash Point	>212°F
Dry Heat Resistance	300°F (148.8°C)
Freight Classification	See MSDS
Packaging.....	2 gallon in 3 gallon pail

APPLICATION DATA

<u>Description</u>	<u>Results</u>
Application.....	Spray
Mix Ratio	2:1 by volume
Catalyst	99991
Recommended Thickness.....	2.5 - 3.0 mils DFT
Dry Time @ 77°F, 50% RH	
No Accelerator	
Recoat	4 hours
Tack Free.....	1 hour
Handle	2 hours
Pot Life @75°F, 50% RH	
No Accelerator	
2X Viscosity.....	3 hours.
Gel Time	6 hours.
Coverage	398 sf/gal at 2 mil DFT
Thinner.....	Mix thoroughly before use. Add 1/2 gallon of 99991 per 1 gallon of 32901 and thoroughly mix well. Mechanical mixing is preferable. Add up to 1 quart tap water to adjust to spray viscosity. Use of an agitator pot is desirable.
Clean Up	Water

The technical specifications for this data sheet are based on product 32901 Gray.

CURED FILM PERFORMANCE

<u>Description</u>	<u>Test Method</u>	<u>Results</u>
Adhesion to Steel	ASTM D4541	>500%
Hardness	ASTM D3363	3H
Corrosion Resistance	ASTM B117	>3,000 hours

EQUIPMENT RECOMMENDATIONS

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

SPRAY APPLICATION (General): A pressure pot is preferred. The following spray equipment has been found suitable and is available from manufacturers such as Binks, DeVilbiss and Graco.

AIR ATOMIZED SPRAY:

	Model	Air Cap	Fluid Tip	Fluid Delivery	Atomizing Pressure
Pressure	Binks #18	63 pb	66	20 oz/min	50 - 65 psi
Pressure	DeVilbiss MBC-510	704	fx	20 oz/min	50 - 65 psi

GENERAL SURFACE PREPARATION

For best results, an SSPC-SP 5 (NACE No. 1) white metal blast is minimum for severe exposure. For moderately severe (non-immersion) exposures an SSPC-SP 6 (NACE No. 3) commercial blast can be used.

DIRECTIONS FOR USE

TINTING: Do not tint.

THINNING: Use only water for reduction. See application data for recommended amounts.

APPLICATION: Spray recommended. Pressure pot preferred.

DRYING TIME: See Application Data for typical dry times. Low temperature, high humidity, poor ventilation and thick films will retard drying.

CLEAN UP: Clean up paint tools or spills immediately with tap water, carefully observing cautions on paint and thinner labels. MEK may be used for final cleaning of application equipment.

ENGINEERED SYSTEM

For maximum corrosion resistance and durability. Recommended for use in coastal and marine exposures above the splash zone over a sandblasted surface.

Primer: 2-3 dry mils of 32901/99991 CHEM-O-Z™ W/R.

Intermediate Coat: 2-3 dry mils of 3210-001 CHEM-O-PON™ W/R Primer (Coral).

Topcoat: 2-3 dry mils of ACRYLITHANE™ W/R in the desired color for the finish coat.

Clearcoat: 1 dry mil of ACRYLITHANE™ W/R Clear (optional for ultimate gloss and durability).

HEALTH AND SAFETY

Read the Material Safety Data Sheet (MSDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

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