CHEM-O-Z™

High Performance Organic Zinc Rich Primer

Technical Data

PRODUCT DESCRIPTION

A high performance, two component zinc rich primer for use where corrosion resistance is paramount. Provides cathodic protection through sacrificial electro-chemical reaction of the zinc pigment. For use on steel structures, trucks, trailers, railway cars, bulk tanks or chemical (acid or caustic) trailers.

For best results, use the JONES-BLAIR™ engineered system for a total coating system.

FEATURES

- Excellent adhesion
- Solvent resistant
- Excellent corrosion resistance
- Same catalyst as ACRYLITHANE™ C
- Low VOC

PRODUCT DATA

Description	Results
Vehicle Type	Epoxy Urethane
Color	33902 Gray
Gloss	Low Gloss
VOC (mixed)	405 g/l (3.4 lbs/gal)
Weight/Gallon (mixed)	24.3 pounds
Solids by Weight (mixed)	85.3%
Solids by Volume (mixed)	52.8% (Theoretical)
Viscosity (mixed)	1,500 cps
Flash Point (white)	89°F
Dry Heat Resistance	300°F (149°C)
Freight Classification	See MSDS

APPLICATION DATA

Description	Results
Application	Spray
Mix Ratio	8:1 by Volume
Catalyst	99931
Recommended Thickness	2.0 - 3.0 mils DFT
Dry Time @ 77°F, 50% RH	
No Accelerator	Spray
Tack Free	1/2 hour
Handle	4 hours
Recoat	4 hours
Pot Life @75°F, 50% RH	
2X Viscosity	8 hours
Gel Time	16 hours
Coverage	423 sf/gal at 2.0 mils DFT
Thinner	
Medium Reducer	21092 up to 15%
Retarder	21093 up to 3%
Fast Reducer	21102
Clean Up	21092

The technical specifications for this data sheet are based on product 33902 Gray.

CURED FILM PERFORMANCE

Description	Test Method	Results
Adhesion to Steel	ASTM D4541	>500 psi
Hardness	ASTM D3363	2H
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. Use of agitator pot or pail is strongly recommended.

SPRAY APPLICATION (General): 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	45 - 60 psi
Pressure	DeVilbiss MBC-510	704	fx	20 oz/min	45 - 60 psi

AIRLESS SPRAY:

Model	Pump Ratio	Fluid Tip	Fluid Pressure	Filter Mesh
Graco Bulldog	30:1	.015 - .021	1800 - 2200	100
Binks B 8D	35:1	.015 - .021	1800 - 2200	100

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: See Application Data.

Note: Always know local VOC restrictions for coating applications in your area before thinning this product. Thinning recommendations meet Federal VOC restrictions for architectural coatings. This product and other referenced products may not meet VOC restrictions for your application and may not be available in your area. Carefully read and observe warning on thinner labels.

APPLICATION: Mix thoroughly before use. Add 1 pint of 99931 per 1 gallon unit of 33902 then mix thoroughly again. Only apply when air and surface temperature are between 40° – 100°F (7° - 38°C) and when the surface temperature is at least 5°F or 3°C above the dew point. Use of agitator pot or pail is strongly recommended.

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 recommended thinner, carefully observing cautions on paint and thinner labels. Dried paint may be removed by scraping.

ENGINEERED SYSTEM

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

First coat Primer: 3 dry mils of 33902 CHEM-O-Z™ Organic Zinc Rich Primer.

Second intermediate coat: 3 dry mils of 33304 CHEM-O-PON™ Primer.

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

Clearcoat: 1 dry mil of ACRYLITHANE™ 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.

JONES-BLAIR®

2728 Empire Central - P.O. Box 35286 - Dallas, TX 75235 - Telephone (214) 353-1600 - Fax (214) 350-7624 - www.jones-blair.com