



Technical Data

PRODUCT DESCRIPTION

CHEM-O-PON™ W/R PRIMER is a two component water-borne epoxy primer designed to offer similar properties to our CHEM-O-PON™ Primer but at a much reduced VOC. Offers excellent resistance to corrosion and exceptional adhesion to ferrous metal substrates. Resists splash and spillage from solvents and dilute acids and alkali.

FEATURES

- Low VOC
- Excellent corrosion resistance
- Fast drying
- Used as primer or intermediate
- Lead and Chromate free

PRODUCT DATA

Description	Results
Vehicle Type	Epoxy-Amine adduct
Colors	Coral
Gloss	Low Gloss
VOC (mixed).....	1.25 lbs/gal less water
Weight/Gallon.....	11.4 pounds
Solids by Weight (mixed).....	54.97%
Solids by Volume (mixed).....	40%
Viscosity	17-23" Zahn #4
Flash Point	N/A for base or mixed
Dry Heat Resistance	250°F (121.1°C)
Freight Classification	See MSDS
Packaging.....	1 Gallon (mixed unit)

APPLICATION DATA

Description	Results
Application.....	Spray
Mix Ratio	4:1
Catalyst	9900-001
Recommended Thickness.....	1.5 - 2.0 mils DFT
Dry Time @ 77°F, 50% RH	
No Accelerator	
Recoat.....	1 hour
Tack Free.....	6 hours
Handle	8 hours
Pot Life @75°F, 50% RH	
No Accelerator	
2X Viscosity.....	No definite viscosity increase, use within 4 hours.
Gel Time	No definite viscosity gel time, use within 4 hours.
Coverage.....	641 sf/gal at 1 mil DFT
Thinner.....	0-10% tap water
Clean Up	Soapy water for wet paint. MEK for dried paint.

The technical specifications for this data sheet are based on product 3210-001 Coral.

CURED FILM PERFORMANCE

Description	Test Method	Results
Salt Fog, 3,000 Hrs	ASTM B117	10; 1-2 mm scribe undercreep 1

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): 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	.011 - .013	1800 - 2200	100
Binks B 8D	35:1	.011 - .013	1800 - 2200	100

GENERAL SURFACE PREPARATION

All surfaces must be sound, dry, clean and free of oil, dirt, grease, wax, mildew, loose or flaking paint and other surface contaminants. Remove loose, peeling, flaking or scaling paint and rust by scraping, sanding or wire brush or blasting.

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

THINNING: This product has been formulated to be applied without the need of additional thinning. However, application with certain equipment and under various conditions may be enhanced by reduction with the thinners specified.

APPLICATION: Mix thoroughly before use. Add 1 quart of 9900-001 per full gallon unit of CHEM-O-PON™ W/R primer 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 degrees (F) or 3 degrees (C) above the dew point.

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. Dried paint may be removed by scraping.

ENGINEERED SYSTEMS

SYSTEM - A

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

Primer: 3 dry mils of 3260-001 CHEM-O-Z™ W/R.

Intermediate Coat: 1-2 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).

SYSTEM - B

For maximum chemical resistance while affording excellent corrosion resistance and durability in non-salt atmospheres. Recommended for use in inland areas and for resistance to acid and alkali. Sandblasting is recommended.

Primer – 1-2 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.

The information, data and suggestions contained herein are believed to be reliable, based upon our knowledge and experience; however, it is expressly declared that Seller does not guarantee the result to be obtained in Buyer's process. **SELLER HEREBY EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY FOR FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED** as to any and all products and/or suggestions described herein, whether such products are used alone or in combination with other materials. Buyer must make its own determination of the suitability of any product for its use, and the completeness of any information contained herein. Nothing contained herein shall be construed to constitute inducement or recommendation to practice any invention covered by any patent without authority from the owner of the patent. 09252006 Chem-O-PonWRTD.indd



JONES-BLAIR®

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