

Moisture-Cure Zinc-Rich **PRIMER**

DESCRIPTION

Polyur 390 MC is specially formulated for application where proper surface preparation cannot be achieved. Typical uses include; pulp & paper mills, tanks (exterior), trucks, truck frames, rail cars and any steel structure exposed to rough atmospheric conditions.

FEATURES

- Mixture of Mio/Zinc/Aluminum for high corrosion protection for overcoating system
- Excellent adhesion to tightly adhering rust on steel
- Can be applied over damp/cold surfaces
- Can be applied at a minimum of -5°C (23°F)
- Rapid overcoating time
- Does not become brittle with age
- Excellent abrasion and corrosion resistance
- Cures in less time than conventional primers
- Contains 12% of zinc in the dry film

RECOMMENDED USES

- Pulp and paper mills
- Tanks (exterior), trucks, truck frames
- Steel structure exposed to rough atmospheric conditions
- Rail cars

TECHNICAL DATA

Colors available:	Aluminum	Drying times:	
Gloss:	Flat	Dust free:	2 hours
Type of cure:	Moisture-Cure	To recoat:	4 hours
Binder:	Aliphatic Polyurethane	Hard:	24 hours
* Solids by volume:	65 % +/- 2 %	Pot Life:	n/a
* Solids by Weight:	83 % +/- 2 %	Reduction solvent:	UC – 500 Regular UC – 502 Slow
Theoretical Coverage of 1 mil:	1,050 ft ² / U.S. gallon	Reduction:	Not recommended
D.F.T. at 25 microns:	97 m ² / 3.78 liters	Catalyst:	n/a
Recommended D.F.T. mils:	3.0 – 4.0	Ratio:	n/a
Dry film thickness microns:	75 - 100	Shelf life:	12 months @ 25°C (77°F) unopened
Viscosity:	90-110 ku	Packaging:	3.78 lts. (1 US gallon)
* Specific gravity:	1.68 – 1.92 kg/lit.		
Flash Point:	24°C (75°F)		
V.O.C.:	< 303 grs/lit. < 2.53 lbs. / U.S. gal.		

* Data may vary according to color

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APPLICATION GUIDE

SURFACE PREPARATION:

Remove all grease, oil, salt and dirt in accordance with SSPC – SP – 1 “solvent cleaning”. Remove any loose paint.

Maximum performance is obtained when in accordance with SSPS-SP-6.

MIXING AND THINNING:

The entire contents of each container must be mixed well before application.

When using airless spray do not dilute product to obtain 3.0-4.0 mils D.F.T. If diluting product is necessary use UC-500, 10-15%.

APPLICATION PROCESS					
RECOATING TIME					
Substrate temperature	Dust free	Hard	Minimum	Maximum	Normal
23°C (73°F)	2 hours	24 hours	4 hours	5 days	Overnight

Brush and roller: Primarily for touch-up repair.

CONVENTIONAL SPRAY		AIRLESS SPRAY	
Manual Spray gun:	DeVilbiss JGA-510, MBC-510 or equivalent	Pump Ratio:	30:1
Fluid tip:	55”- 0.73” pressure 30-60 psi	Pressure:	3000 psi
Fluid hose:	Minimum ½ inch: ID, 50 ft. length maximum	Fluid hose:	3/8 inch ID, 50 ft. length maximum
		Tip Size:	0.017 – 0.021”

Pressure pots or pumps should be at the same level or above the spray guns. Keep fluid pressures to a minimum.

Care should be taken to insure that proper film thickness is achieved.

PRODUCT LIMITATIONS

- 12 months @ 25°C (77°F) unopened
- Drying times stated assume are at 40% minimum relative humidity. If the humidity % is lower, the drying time will be longer.

DISCLAIMER:

"The following is made in lieu of all warranties, expressed or implied: Manufacturer's obligation shall be to replace such quantity of the product proven to be defective. The manufacturer shall not be liable for any injury, loss or damage, direct or incidental or consequential, arising out of the use of or the inability to use the product. Before using, the user shall determine the suitability of the product for the intended use and the user assumes all risk and liability whatsoever in connection therewith. All values shown are approximations. Values indicated are for guide purposes only, as actual values can change due to application conditions, application methods, environmental conditions etc. The information contained herein is subject to change without notice. Consult your representative for a current data sheet. The foregoing may not be altered except by an agreement signed by the officers of the manufacturer." © Polyval Coatings Inc. Polyur and Polyval are registered trademarks of Polyval Coatings Inc. All Rights Reserved.

Keep in cool and dry area. See the material safety data sheet and product label for complete safety and precaution requirements.

Chemical resistance information is currently being updated according to ASTM standards. Please contact your local representative for an update.