

DATA SHEET

VEREPOS ZINCO MC

COD. 70000181

o Organic Epoxy zinc-rich primer

Description	One component epoxy zinc rich primer, resisting severe weathering and marine environment				
Use and principal characteristic	<ul style="list-style-type: none"> • A heavy duty primer that protects with just a single coat • Curing will be achieved between 30% and 90 % RH • It is resistant to industrial and chemical exposure as well as marine exposure on structural steel and pipes, tank exterior, bridges and offshore platform • Provides the long term corrosion resistance and good low temperature curing • Withstand rain or condensation within 60 minutes after application • Excellent resistance against solvents • Can withstand substrate temperature ranging from -90°C up to +400°C, under normal exposure conditions • Fair flexibility, very good impact resistance, good abrasion resistance • Can be used as a system primer under most paint system based on unsaponifiable binders 				
Not recommended for	Immersion in alkaline (more than pH 9) or acidic (less than pH 5) liquid				
Resistance to					
Flexibility	Fair				
Adhesion resistance	Excellent				
Abrasion resistance	Excellent				
Weathering	Excellent				
Recommended system	<table border="1"> <tr> <td>Primers</td> <td>-</td> </tr> <tr> <td>Topcoats</td> <td>Epoxies, Vinyls and Chlorinated rubber paints</td> </tr> </table>	Primers	-	Topcoats	Epoxies, Vinyls and Chlorinated rubber paints
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Basic data at 20°					
Colour and gloss	Grey - flat				
Mass density	approx. 2,50 g/cm ³				
Solids content by volume	approx. 48%				
VOC	458 g/l				

Recommended dry film thickness	65 µm per coat		
Numbers of coat	1		
Coverage theoretical	10 m ² /l for 45 µm. The practical coverage will be less, depending on application technique, job conditions and type of surface to be coated		
Application method	airless or conventional spray		
Drying times at 65 mm dft and 50-90% RH	Dry to touch	Dry to handle	Dry to topcoat
	8 minutes	60 minutes	12 hours
Overcoating interval	minimum	maximum	
	8 hours at 20° C, 6 hours at 35°C	an interval of several months can be allowed, however thorough cleaning is essential before overcoating	
Shelf life	24 months in cool and dry place. (max 40°C).		
Shipping weight	28 kg		
Flash point (DIN 53213)	Verepos Zinco MC	19° C	
	Thinner	25100290	
Surface preparation and application condition	All surfaces to be coated must be clean dry and free of rust, oils, dust, dirt, old paint, and other contaminants.		
Steel Surfaces	<p>Dry abrasive blast cleaning to near-white in accordance with SSPC-SP 10 to a degree of cleanliness in accordance with NACE 2 or ISO Sa 2 1/2 to obtain blasting profile (Rz) 35 - 65 µm.</p> <p>Prime surfaces immediately after blast cleaning, and dust or sand removal by means of vacuum cleaning.</p> <p>At freezing temperatures surface must be free of ice. Relative air humidity should be above 30%</p>		
Topcoating	Verepos zinco MC surface must be clean and dry before topcoating. Water soluble contaminants may be washed off with water; Oil, grease and others similar contaminants may be removed with an emulsion cleaner. Rinse with clean water and allow to dry.		
Repair	Rusted areas must be spotblasted before touching up with Verepos zinco MC. When blasting is not practical, Verepos zinco n. 70000310 zinc-based primers may be used for repair		
Material preparation	Good stirring is required before use with an explosion proof power mixer. Verepos zinco mc may show a soft settlement of zinc on the bottom of the can. This settlement must be completely redispersed in the liquid. Strain material through 60 mesh screen to prevent possible clogging of equipment.		
Environmental Conditions During application and drying	Air temperature:	-5 to 50°C	
	Surface temperature:	-5 to 55°C	
	Relative Humidity	30 to 90%	
	<p>To prevent moisture condensation during application, surface temperature must be at least 3°C above dew point.</p> <p>Never apply coating under adverse environmental conditions: Ensure good ventilation when applied in confined areas to assist evaporation and elimination of solvent.</p>		
Airless spray	Recommended thinner	no thinner to be added	
	Nozzle orifice	approx.0,53 (0,21 inch) or larger	
	Nozzle pressure	12-15 MPa (= approx. 120 - 150 atm.)	

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R/C	28:1

Air spray	Recommended thinner	*thinner cod. 25100200: 0-10%
	Nozzle orifice	2 mm
	Nozzle pressure	0,3 MPa (= approx. 3 atm.)
*Thinning is normally not required. Thin only for workability or when a rough film or "dry spray" is obtained because of fast solvent evaporation during hot weather or high wind. Use non more than approximately 10 vol% of thinner 70100290.		

Brush/Roller	Only for touch up and spot repair- first coat non to be thinned down, max. dft. 35 µm	
	next coat to be thinned down with thinner cod. 70100290, so that a visible wet coat can be applied, max dft 25 35 µm	

Cleaning Solvent	cod. 25100200
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<u>SAFETY PRECAUTIONS</u>	<p><u>WARNING</u> VAPOUR HARMFUL, MAY CAUSE IRRITATION. COMBUSTIBLE. CONTAINS ORGANIC SOLVENTS. Avoid contact with eyes, skin and clothing. Avoid breathing vapour. Wash thoroughly after handling. Use with adequate ventilation. Wear an air supplied mask to avoid breathing concentrated vapours in enclosed areas. Close container after use. Keep away from heat, sparks, and open flame. In case of eye contact, immediately flush with plenty of water for al least 15 minutes.</p>
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