

DATA SHEET

VEREPOS ZINCO

COD. 70000310

o Epoxy zinc-rich primer

Description	Two component epoxy polyamide zinc rich primer.
Use and principal characteristic	<ul style="list-style-type: none"> • As a long life primer on steel subject to corrosive marine and industrial environment. • Recoatable after some time. • Designed as a primer for various paint systems, that must be unsaponifiable. • Quick drying, can be overcoated after a short interval. • Can be applied up to 75 m dft., and suitable for touch up on inorganic zinc primer. • Heat - resisting 250C continuous, and 300C discontinuous service. • Not suggest for immersion in acid or alkali solutions even recoated.

	Resistance to		
	Exposure	Immersion	Splash and spillage
Acids	N.R.		Very Good
Alkalis	N.R.		Very Good
Solvents	Excellent		Excellent
Salt	Excellent		Excellent
Water	Excellent		Excellent
Gasoline	Excellent		Excellent

Flexibility	Good
Abrasion resistance	Excellent
Weathering	Excellent
Top coat required	May be topcoated with epoxies, phenolics, vinyls, acrylics, silicones, chlorinated rubbers or others as recommended. Under certain conditions a mist coat or tie coat may be desirable to prevent topcoat blistering.

Basic data at 20°	
Colour and gloss	Metal grey - flat
Mass density	Approx. 2,65 g/cm ³
Solids content by volume	Approx. 56% by volume
Recommended dry film	30- 50 µm depending on blasting profile. Dft's of more than 50 µm are not

Recommended dry film thickness	recommended under thick, rigid epoxy system		
Coverage theoretical	4,22 m ² /Kg for 50 µm. The practical coverage will be less, depending on application technique, job conditions and type of surface to be coated		
Set to touch	30 min. at 20° C		
Full cured	One week at 20° C- see additional data		
Overcoating interval	Minimum	6 hours at 20° C	
	Maximum	several months, zinc salts must be removed	
Shelf life	12 months in cool and dry place		
Shipping weight	Base	70000310	25 kg
	Hardene	25120102	1 Kg
	Thinner	25100200	25 - 5 l
Flash point (DIN 53213)	Base	26° C	
	Hardene	25° C	
	Thinner	28° C	
Surfaces preparation and application condition			
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%

To prevent moisture condensation during application, surface temperature must be at least 3°C above dew point.
Never apply coating under adverse environmental conditions: Ensure good ventilation when applied in confined areas to assist evaporation and elimination of solvent.

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.)
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

SAFETY PRECAUTIONS

WARNING

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 at least 15 minutes.