

## DATA SHEET

### VEREPOS FERMIOX

**COD. 30000313 Red Oxide - COD. 30000316 Grey**  
**COD. 30000317 Green**

<b>Description</b>	Two component polyamide epoxy primer pigmented with micaceous iron oxide
<b>Use and principal characteristics</b>	<ul style="list-style-type: none"> <li>• Excellent resistance when exposed to severe service conditions.</li> <li>• High thickness per coat, and suitable for concrete protection too.</li> <li>• Heat resistance 160°C continuous service in dry surroundings.</li> <li>• suggested for heavy marine and industrial environment, immersion in alkali and salt solutions, fresh and salt water.</li> <li>• To be used as primer in the VEREPOS-DESMOVER Systems</li> <li>• Good curing even at lower temperatures</li> <li>• Can be recoated with two-component and conventional coatings even after long weathering periods.</li> <li>• Can be used as intermediate over inorganic or organic zinc primers.</li> </ul>
<b>Resistance to</b>	
<b>Flexibility</b>	Very good
<b>Adhesion resistance</b>	Very good
<b>Impact resistance</b>	Very good
<b>Abrasion resistance</b>	Excellent
<b>Top coat required</b>	May be top coated with Verepos s. 2540000 - Verepos A.S. s. 30420000 Verepos H.B. s. 30450000 - Verotar Coat n. 40410680 - Vinil Verepos 35620000 - Vernitex s. 35410000 - Desmover s. 45450000 - 45470000 Desmoflat s. 45920000

### Basic data at 20°

<b>Colour and gloss</b>	30000313 red oxide, 30000317 green, 30000316 grey - Flat
<b>Mass density</b>	approx. 1,60 g/cm <sup>3</sup>
<b>Solids content by volume</b>	approx. 54%
<b>Solids content by weight</b>	approx. 75%
	75-150 micron

Recommended dry film thickness	75-100 micron		
Coverage theoretical	7 m2/l for 75 micron		
Set - to - touch	3 hours		
Through dry	24 hours		
Full cured	7- 10 days with good ventilation (for immersion service)		
Overcoating interval	minimum :12 hours at 20° C maximum : 60 days - When coating intervals are longer, abrade the coated surface before coating		
Shelf life	12 months in cool and dry place.		
Shipping weight	Base	30000313	25 kgs
	Hardener	25120102	5 kgs
	Thinner	25100200	25 - 5 lt
Flash point (DIN 53213)	Base	27° C	
	Hardener	47° C	
	Thinner	28° C	
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	Steel should be blast cleaned to ISO Sa 2 for best results in normal weather exposure. For immersion service steel must be blast cleaned to ISO Sa 2 1/2 or near white.	
	Galvanized Steel	Very good degreasing	
	Concrete Surfaces	Do not coat concrete treated with hardening solutions unless test patch indicates Do not coat concrete treated with hardening solutions unless test patch indicates	
Material preparation	Product is supplied in pre measured standard pails so that the right ratio is reached by mixing one pail of base product with one pail of binder . If smaller quantities are required, the ratio by weight is:		
	Base product	FERMIOX	100 p.
	Hardener	25120102	15 p.
	Thinner	25100200	
	Temperature of the mixed base and hardener should be above 15°C, otherwise extra solvent may be required to obtain application viscosity. Too much solvent results in lower sag resistance and slower cure. Thinner should be added after mixing the components.		
Induction time	None above 20°C - 20 minutes if applied at temperatures below 10°C		
Pot life at 20°	6 - 8 hours and less at higher temperatures. Pot life ends when coating loses body and begins to sag.		
Airless spray	Recommended thinner	cod. 25100200; 5 - 10 %	
	Nozzle orifice	approx. 0,48 - 0,53 mm (=0,019-0,021 inch)	
	Nozzle pressure	15 MPa (= approx. 150 at. - 2100 p.s.i. )	
Air spray	Recommended thinner	cod. 25100200 - 15 - 20%	

	Recommended thinner	cod. 2510020 / 10 - 20 %
	Nozzle orifice	1,8 - 3 mm
	Nozzle pressure	0,3 - 0,4 MPa (= approx. 3 - 4 at. 43 - 57 p.s.i.. )

<b>Brush/Roller</b>	Recommended thinner cod. 25100200 at 5 - 10%. Use medium bristle brush
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<b>Cleaning Solvent</b>	cod. 25100200
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<b><u>SAFETY PRECAUTIONS</u></b>	<p><b><u>WARNING</u></b></p> <p>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.</p>
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