

SCHEDA TECNICA

VINILVEREPOS MIOX

SERIE. 35000385

Description	Two-component high solids coating based on epoxy resins modified with vinylresin and polyamide resin cured, with micaceous iron oxide,particularly for maintenance coating system, with excellent physical properties.		
Use and principal characteristic	<ul style="list-style-type: none">• High build epoxy intermediate coat and economical long-term protection for steel and concrete structures exposed to atmospheric land and marine condition.• Accepts urethane, or acrylic topcoats where improved gloss and colour retention are required.• Tough, with long term flexibility.• Tank exteriors, structural steel and piping on chemicals plants, refineries, pulp & paper mills, offshore platforms and other structures exposed to severe weathering or salt spray.• Easy application, both by airless spray and brush.• Heat resisting 120C continuous and 150°C discontinuous		
Resistance to	<u>Exposure</u>	<u>Immersion</u>	<u>Fumes</u>
	Acids, Dilute	Fair	Very Good
	Alkalies,Dilute	Very Good	Very Good
	Salts	Very Good	Excellent
	Water	Excellent	Excellent
Flexibility	Excellent		
Weathering	Very good		
Adesion resistance	Very good		
Abrasion resistance	Very good		
Top coat	Vinilverepos 35000385 may be recoated with Vinilverepos series epoxyvinyl. 35620000, Desmover polyurethanes.		
Basic data at 20°			
Colour and gloss	Gray- Flat		
Mass density	approx. 1,40 kg/dm3		
Solids content by volume	approx. 56,5by volume		
VOC content	363 gr./l		
Recommended dry film thickness	125 m in one coat application		

Coverage theoretical	4,52 m2/l for 125 m. The practical coverage will be less, depending on application technique, job conditions and type of surface to be coated		
Set - to - touch	4 - hours, at 20° C		
Dry through	10 hours at 20° C		
Overcoating interval	minimum : 8 hours maximum : unlimited		
Curing time	is dependent on film thickness, temperature and ventilation: At 18°C to 27°C, a full cure at 125 microns normally requires 48 hours: Lower temperatures retard and higher temperatures accelerate the curing rate. However, for most conditions, the coating may be placed in service as soon as it has reached the dry through state		
Shelf life	Base: al least 24 months when stored cool and dry Hardener: al least 24 months when stored cool and dry		
Shipping weight	Base	35000385	25 kgs
	Hardener	35120144	3,5 - 0,750 kgs
	Thinner	25100200	25 - 5 Lt
Flash point (DIN 53213)	Base	32° C	
	Hardener	32° C	
	Thinner	28° C	
Surface preparation and application condition	Prepare surface in accordance with application instructions for the specific primer being used: Be sure primer is clean dry and free oil, grease and any other contaminants before applying Vinilverepos 35000385. Substrate temperature should be al least 3°C above dew point.		
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 100 p. Hardener 14 p. Thinner should be added after mixing the components. The 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 Very good mechanical mixing of base and hardener is essential in view of the viscous condition of the components		
Introduction time	none; 20 minutes if applied at temperatures below 10°C		
Pot Life a 20° C	8 hours		
Airless spray	Recommended thinner	cod. 25100200 - 0-5%	
	Nozzle orifice	0, 45 - 0,60 mm (=0,018-0,024 inch)	
	Nozzle pressure	15 MPa (= approx. 150 at. - 2100 p.s.i.)	
	R/C	28:1 or more	
Air spray	Recommended thinner	cod. 25100200; 10 - 15%, depending on dft to be applied	
	Nozzle orifice	1.5 - 3 mm	
	Nozzle pressure	0,3 - 0,4 MPa (= approx. 3 - 4 at. - 43 - 57 p.s.i.)	
Brush/Roller	<ul style="list-style-type: none">not recommended, only for spot repair and stripe coatingdue to thixotropic it is difficult to obtain a smooth film by brush but this will not affect the performance		

Cleaning solvent

Thinner cod. 99100151

All application equipment must be cleaned immediately after use, and the paint inside the spraying equipment must be removed before the pot life time has been expired