

## DATA SHEET

### VINILVEREPOS INTERMEDIATE

**COD. 35000381 Grey - COD. 35000383 White**

- Two-component high solids coating based on epoxy resins modified with vinylresin and polyamide resin cured, particularly for maintenance coating system, with excellent physical properties.

#### Description

#### Use and principal characteristic

- 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 90°C continuous and 120°C discontinuous

#### Resistance to

<u>Exposure</u>	<u>Immersion</u>	<u>Fumes</u>
Acids, Dilute	Good	Very Good
Alkalies, Dilute	Very Good	Very Good
Salts	Excellent	Excellent
Water	Excellent	Excellent

#### Flexibility

Good

#### Adhesion resistance

Excellent

#### Abrasion resistance

Excellent

#### Weathering

Very Good

#### Flexibility

Good

#### Top coat required

Vinilverepos 25000381 may be recoated with Vinilverepos series epoxyvinyl. 35620000, Desmover polyurethanes

#### Basic data at 20°

Colour and gloss	R.A.L. 7035, White - Flat		
Mass density	approx. 1,4 g/cm3		
Solids content by volume	approx. 58% by volume		
VOC contents	363 gr./l		
Recommended dry film thickness	125 µm in one coat application		
Coverage theoretical	4,25 m2/l for 125 µm. The practical coverage will be less, depending on application technique, job conditions and type of surface to be coated		
Dry through	10 hours		
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	24 months in cool and dry place		
Shipping weight	Base	35000381	25 kgs
	Hardener	35120144	3,5 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 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.		
Induction time	none; 20 minutes if applied at temperatures below 10°C		
Pot life at 20C	8 ho		
Airless spray	Recommended thinner	thinner cod. 25100200	
	Nozzle orifice	approx.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	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**

Not recommended, only for spot repair and stripe coating

Due to thixotropy it is difficult to obtain a smooth film by brush but this will not affect the performance.

**Cleaning Solvent**

cod. 99100151

**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.