

## SCHEDA TECNICA

### VEREPOS SS

**serie 30490000**

○ Solvent Free Epoxy Coating

<b>Description</b>	Two component, solvent free, epoxy polyamide coating for new constructions and maintenance
<b>Use and principal characteristic</b>	<ul style="list-style-type: none"> <li>- Long term anticorrosive protection in a single coat application upto 1500 micron to be applied directly or on top of suitable primers for concrete or steel surfaces</li> <li>- Suitable for tidal/splash zone of offshore platforms</li> <li>- Suitable for tank lining; good chemical resistance against a wide range</li> <li>- Very good abrasion resistance</li> <li>- Very good impact resistance</li> <li>- Excellent sea water resistance</li> <li>- Temp. resistance: from -20°C to +105°C</li> <li>- Very good adhesion on wet surfaces</li> <li>- Resistant to well designed cathodic protection</li> <li>- Suitable on wet blast or ultra high pressure water cleaned surfaces of chemicals and petroleum products</li> <li>- Meets technical requirements of ENI 2000 VAR.PAI.FAN coating n°24</li> <li>- Not suitable for solvents, acid and alkaline concentrated solutions</li> </ul>

### Basic data at 20°C (mixed product)

<b>Colour and gloss</b>	Greenish-grey – 50-60 gloss
<b>Mass density</b>	1,45 kg/l (mixed product)
<b>Solyd content by volume</b>	99%
<b>VOC</b>	20 gr/kg
<b>Recommended dry film thickness</b>	1500 mm wet on wet ( min 1000 - max 2500 )
<b>Coverage theoretical</b>	0,470 m <sup>2</sup> /kg at 1500 mm dry film thickness
<b>Set - to - touch</b>	8-10 hours; 4-5 hours at 35°C
<b>Ready for handling</b>	

36-40 hours at 20°C; 14-18 hours at 30°C

**Ready for overcoating**

min.10 hours - max.10 days

**Full cured**

7 days at 1500 microns with good ventilation

**Note:** *Drying and curing times are dependent on air and steel temperature, applied film thickness, ventilation and other environmental conditions: Times are proportionally shorter at higher temperature and longer at lower temperatures:*

**Shelf life**

Base: at least 24 months when stored cool and dry  
Hardener: at least 24 months when stored cool and dry

**Mixing ratio (by weight)**

Base cod. 30490000 : 70 part  
Hardener cod. 30120145: 30 part

**Flash point (DIN 53213)**

Base cod.30490000: 65°C  
Thinner cod.25100200: 28°C  
Hardener cod.30120145: 65°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.  
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 ½ to obtain blasting profile (Rz) 50 - 75 mm.

**Material Preparation**

Product is supplied in premeasured standard pails so that the right ratio is reached by mixing one pail of base product with one pail of hardener. If smaller quantities are required, the ratio by weight is:  
Base 70 p  
Hardener 30 p  
Stir each of the components prior to mixing to an even consistency with a power mixer. Add cure to resin, and continue stirring for 10 minutes

**Induction time**

None

**Pot Life at 20°C**

After mixture, product must be used within 1 hours at 20°C. Afterwards it becomes thick and cannot be used any more. Shorter pot-life at higher temperatures. Pot-life ends when coating loses body and begins to sag

**Environmental Conditions**

During application and drying:  
- Air temperature: 5 to 50°C  
- Surface temperature: 5 to 60°C  
To prevent moisture condensation during application, surface temperature must be at least 3°C above dew point

**Airless spray**

Compression ratio : heavy duty single feed airless spray equipment with a minimum of 60:1 pump ratio and suitable high pressure hoses;  
in-line heating or insulated hoses may be necessary to avoid cooling down of paint in hoses at low air temperature

**Nozzle orifice**

approx.0,53 mm (0,021 inch) or larger

**Nozzle pressure**

approx. 250-350 kg/cm2

**Recommended thinner**

no thinner to be added

**Brush/Roller**

Use clean, short bristled brush or medium nap roller  
200-300 microns for single coat, wet on wet to obtain requested thickness

**Recommended thinner**

no thinner to be added

**Cleaning Solvent**

Thinner cod. 25100200 (flash point 28°C)  
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

**Recommended thinner**

no thinner to be added

**Additional data****Measuring wet film thickness**

- a deviation is often obtained between the measured apparent wft and the real applied wft, this is due to the thixotropy and the surface tension of the paint by which the release of air in the paint film takes some time.  
Recommendation is to apply a wft which is equal to the specified dft plus 60 mm.