

## SCHEDA TECNICA

**VERMASTIC AVIO BIANCO**

**COD. 30410801**

<b>Description</b>	Two component, solvent free amine cured epoxy coating
<b>Use and principal characteristic</b>	<ul style="list-style-type: none"> <li>• Rapid development of water resistance and excellent anticorrosive properties</li> <li>• It is suitable for as a tank coating for storage tanks in the chemical and petrol chemical industries. Suitable for unleaded gasoline, aviation fuel, white spirit, water and alkaline salt solutions in water</li> <li>• Can be applied by heavy-duty, single feed, aieless spray equipment (60:1)</li> <li>• High gloss with good cleaning properties</li> <li>• Not suitable for immersion in acid and alkali solution, immersion in solvent</li> <li>• Complies with of AER-M-P.020d (Italian Military Air Force) specifications for the contact with petrol (normal or avio, kerosene, jet fuel and other white oil products)</li> </ul>
<b>Flexibility</b>	Good
<b>Adhesion resistance</b>	Excellent
<b>Abrasion resistance</b>	Excellent
<b>Abrasion resistance</b>	Very good (chalks)
<b>Basic data at 20°</b>	
<b>Colour and gloss</b>	White - Gloss
<b>Mass density</b>	Approx. 1,6 kg/dm <sup>3</sup>
<b>Solids content by volume</b>	Approx. 98 % by volume
<b>Number of coats</b>	1-2
<b>VOC</b>	15 g/kg
<b>Recommended dry film thickness</b>	300 µm in one coat application
<b>Coverage theoretical</b>	2,0 m <sup>2</sup> /kg for 300 µm. The practical coverage will be less, depending on application technique, job conditions and type of surface to be coated
<b>Set to touch</b>	8 hours, at 20° C
<b>Full cured</b>	5 days at 20° C- see additional data
<b>Overcoating interval</b>	minimum : 10 hours

maximum : 2 months

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 in cool and dry place  
Hardener: at least 24 months in cool and dry place

#### Shipping weight

Base	30410801	25 kgs
Hardener	30120110	3,750 kgs
Thinner	25100200	25 - 5 Lt

#### Flash point (DIN 53213)

Base	100° C
Hardener	114° C
Thinner	24° C

#### Application method

Brush, Roller, Airless; On humid surfaces or moisture brush use is preferable

#### Surface preparation and application condition

Previous coat; dry and free from any contamination and sufficiently roughened if necessary.

##### Steel Surfaces

Blast cleaned to nearly white metal at SP 10 grade of SSPC - Vis 1 or to ISO - Sa 2 1/2, with blast profile 50 -100 µm. – Adhesion test ASTM D 4541 = > 8Mpa

##### Concrete Surfaces

Do not coat concrete treated with hardening solutions unless test patch indicates satisfactory adhesion. Do not apply coating unless concrete has fully cured; carry out a slight sandblasting up to coherent surface

#### 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 15 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.

Very good mechanical mixing of base and hardener is essential in view of the viscous condition of the components.

#### Introduction time

none

#### Environmental Conditions

During application and drying:

Air temperature 5 to 50°C

Surface temperature 5 to 50°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 60:1 pump ratio and suitable high pressure hoses
Nozzle orifice	approx. 0,43-0,53 mm (0,017 - 0,021 inch) or larger
Nozzle pressure	28 – 22 MPa (approx. 280-220 at.-4000 - 3000 p.s.i.)
Recommended thinner	no thinner to be added

#### Brush/Roller

Use clean, short bristled brush or medium nap roller. For strip coating and spot repair only

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

**Additional data**

Theoretical spreading ratio gr/m <sup>2</sup>	500	1000
m <sup>2</sup> /kg	2,0	1,0
Dft in mm	300	600

**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.

**Overcoating with itself**

Overcoating interval for dft up 300 µm (12.0 mils)

Surface temperature	10°C (50°F)	20°C(68°F)	30°C(86°F)
To recoat minimum	18 h	10 h	6 h
To recoat maximum	2 months	2 months	1 months

*\* surface should be cleaned from chalking and contamination. When coating intervals are longer, abrade the coated surface before recoating*