

SCHEMA TECNICA

VERMASTIC AVIO HS

COD. 30410803 Red Brown

Description	Fast-drying one coat high-build two pack epoxy-amine layer	
Use and principal characteristic	<ul style="list-style-type: none"> • Tank coating for ballast, crude oil/ballast and aliphatic petroleum products; light benzine, car petrol, aviation fuel, white spirit, diesel fuel, heating oil • Suitable for old bottom maintenance of tanks containing chemicals and petrochemicals • One coat protection for steel structures, storage tanks with excellent corrosion resistance. • Suitable for tank lining in contact with fresh water and aaline solution too 	
Flexibility	Fair	
Adesion resistance	Excellent	
Abrasion resistance	Excellent	
Weathering	Very good (chalks)	
Basic data at 20°		
Colour and gloss	Red brown - semi gloss	
Mass density	approx.1,5 kg/l	
Solids content by volume	99%	
Recommended dry film thickness	500 - 1500 mm for one coat (wet films equal dry film thickness check during spraying)	
Coverage theoretical	0,880 m ² /kg for 750 mm. The actual coverage will be less, depending on application technique, job conditions and type of surface to be coated	
Drying	40 hours at 8°C, 24 hours at 18°C, 7 - 12 hours at 30°C	
Full cured	5 days with good ventilation (for immersion service)	
Overcoating interval	minimum : 6 hours at 20° C maximum : 5 days - When coating intervals are longer, abrade the coated surface before recoating	
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	30410803 25 kgs

Hardener	30120111	12,5 kgs
Thinner	25100200	25 - 5 Lt

Flash point (DIN 53213)

Base	113° C
Hardener	114° 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

With blast cleaning near white metal surface to SSPC-10 or Sa 2 1/2 (ISO 8501-1) and blasting profile (Rz) - 75 mm - Adhesion test ASTM D 4541 => 8 Mpa
 With blast cleaning white metal surface to SSPC-5 or Sa 3 (ISO 8501-1) and blasting profile (Rz) - 100 mm - Adhesion test ASTM D 4541 => 10 Mp

Material preparation

The 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 hardener product. If smaller quantities are required, the ratio by weight and by volume is :

Base product code 30410803: 2
 Hardener code 30120111: 1
 Thinner n. 25100200.(Cleaning solvent)

Thinning

The product does not need any kind of dilution. Thinner code no 25100200 must be used only to wash equipment

Introduction time

none

Pot Life

20 minutes at 20°C; 4 minutes at 60°C

**Application equipment
Plural Component
Spraying**

Airless spraying with two-component equipment provided with pre-heater to bring the temperature of the two components to 60-70°C

Recommended thinner	cod. 25100200 (Cleaning solvent to wash equipment)
Nozzle orifice	approx. 0,031 inch
Nozzle pressure	15 MPa (= approx. 150 at. - 2100 p.s.i.) The product must be applied by means of plural airless equipment with Compression ratio 45:1 Clean the filter every day

Brush

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

Thinner cod. 25100200

Cleaning solvent

Thinner cod. 99100151

Additional Data

Safety precaution

Vermastic Avio HS is not inert physiologically and must therefore not be

brought in contact with human or animal food.

Products do not contain any solvent, but since application is carried out at temperature rate between 60° and 70°C, irritation vapours might develop: Care must be taken to convey such vapours far from the operator and assure a continuous exchange of air.

Avoid contact with eyes, skin and clothing. Avoid breathing vapour. Wash thoroughly after handling. Use with adequate ventilation in enclosed spaces (tank lining work). Close container after use.

Keep away from, sparks, and open flame. In case of eye contact, immediately flush with plenty of water for at least 15 minutes.