IL FIORE DELLA PITTURA
vernital

SCHEDA TECNICA

VERMASTIC AL | **COD. 30480015**

Description	Epoxy polyamine-amide, very high build
Use and principal characteristic	• This product is a surface tolerant, high performance coating that can be applied with standard airless equipment. • It is suitable for application on wet substrates in industrial and marine environment • Resistant to mechanical damages and abrasion • Recommended use for hydraulic works such as penstocks, bulkheads, valves • Not suitable for immersion in acid and alkali solution, immersion in solvent • Service temperature in atmosphere is -15°C ÷100°C
Basic data at 20°	
Colour and gloss	Aluminium semiglossy
Mass density	Approx. 1,30 kg/l
Number of components	2
Solids content by volume	Approx. 89%
Curing mechanism	Chemical reaction between components
Number of coats	2 + 2 stripe coats
VOC	96 g/kg (Directive 1999/13/EC)
Calculated coverage	3,40 m2 /kg for 200 µm. The actual coverage will be less, depending on application technique, job conditions and type of surface to be coated
Recommended dry film thickness	250-500 µm for two coats
Dry to recoat	20 hours at 20°C
Dry through	20 hours
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	304800151	25 kgs
Hardener	30120143	5 kgs

Thinner	25100200	25 - 5 Lt

Flash point (DIN 53213)

Base	100° C
Hardener	65° C
Thinner	27° C

Application method

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

Surface preparation and application condition

*** Rusted steel**
All surfaces to be coated must be clean, dry and free of rust, oils, dust, dirt, old paint, and other contaminants.
Dry abrasive blast to Sa 2 (ISO 8501-1) or Steel Structures Paining Council SP-6. Roughness profile shall comply with the Keane Tator Standard 3 o G/S76. Apply Vermastic AL as soon as possible to keep steel from rusting.
*** Rusted steel with old paints**
Brush off grade ST 2 or sandblasting grade Sa1 (ISO 8501-1)
***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 and suitable primer application.

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 is :

Base product

VERMASTIC AL 100 p.
Hardener n. 30120143 20 p.
Thinner n. 25100200.(Cleaner solvent)

Introduction time

none

Pot Life a 20° C

After mixture, the product must be used within 3 hours. After that period the product becomes thick and cannot be used any more; During work, mixed product must be kept in the shade, away from sunlight

Airless spray

Recommended thinner	0-5% thinner cod. 25100200
Nozzle orifice	approx. 0,48 - 0,53 mm (=0,019-0,021 inch)
Nozzle pressure	20 MPa (= approx. 200 at. - 2840 p.s.i.)

The product must be applied by means of airless equipment with compression ratio 60:1
Do not insert the filter in the compensation tank.

Brush

10% thinner cod. 25100200
On humid surfaces or moisture brush use in preferable

Cleaning solvent

Thinner cod. 25100200

Environmental Conditions

Optimum material temperatures are between 20 and 25°C, A lower temperature spray properties are effected, at higher temperature the work time decreases: If material has been stored below 20°C, warm to minimum 20°C before mixing:

Air temperature	5 to 40°C
Surface temperature	5 to 40°C
Relative humidity	0—95%

Overcoating table

Substrate temperature	10°C	20°C	30°C
Minimum interval(hours)	48	20	12

maximum interval(days)	Unlimited	Unlimited	Unlimited

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