

SCHEDA TECNICA

VEROTAR COAT SS

COD. 40410900

Description	One coat, high build, high solids, two component polyamine cured coal-tar epoxy layer		
Use and principal characteristic	<ul style="list-style-type: none">• Excellent resistance when exposed to severe service conditions• High thickness per coat, and suitable for concrete protection too.• Heat resistance 80°C continuous and 95C discontinuous service in dry surroundings.• It is particularly suitable for the protection of buried and nderwater structures.• Suggested for heavy marine , industrial, chemical and etrochemical environments. Offshore environments and continuous immersion in crude oil, sea water, waste water, diluted acids and alkalis solutions.• Not recommended for immersion in solvents and foodstuffs, contact with drinking water		
Resistance to	<u>Exposure</u>	<u>Immersion</u>	<u>Splash and spillage</u>
	Acids sol.	Good	Excellent
	Alkalis sol.	Very Good	Excellent
	Alcohols	Fair	Good
	Salt	Excellent	Excellent
	Water	Excellent	Excellent
	Gasoline	Excellent	Excellent
Flexibility	Good		
Weathering	Good (chalks)		
Abrasion resistance	Very good		
Top coat required	None required - May be top coated with antifouling paint if specified, coal tar bleed through most likely with all topcoats, but this has no negative influence on the anticorrosive properties of the system		
Basic data at 20°			
Colour and gloss	black - eggshell		
Viscosity	thyxotropic product		
Mass density	approx. 1,5 kg/dm3 (mixed product)		
Solids content by volume	approx. 97% by volume		
Recommended dry film thickness	250 - 1200 microns , can be applied in one coat by airless spraying		
Coverage theoretical	5 m2/kg for 300 m. The practical coverage will be less, depending on application technique, job conditions and type of surface to be coated		

VOC	28 g./l		
Curing			
Set - to - touch	4 - hours		
Read for handling	24 - 36 hrs		
Ready for overcoating	24 - 36 hrs		
Full cured	7 days with good ventilation		
Overcoating time	the product is applied at the required thickness in one single solution, wet-on-wet, without awaiting that the previous coat gets dry		
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	40410900	21 kgs
	Hardener	30120145	9 kgs
	Thinner	25100200	25 - 5 Lt
Flash point (DIN 53213)	Base	115°C; Hardener >100°C	
	Thinner	30°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 surface	Steel should be blast cleaned to Sa 2 1/2 grade of Svensk Standard SIS 1967 (SSPC-SP10).- Direct application on steel		
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 Apply to properly prepared concrete that was acid etched or sweep sandblasted Application and curing should take place at a temperature of at least 5C (same for substrate) in order to obtain the maximum resistance against chemicals and mechanical influence (adherence). Substrate temperature should be al least 3°C above dew point to avoid condensation.		
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 hardener . If smaller quantities are required, the ratio by weight is : Base powder 70 p. Binder 30 p. The product does not need any kind of dilution.		
Caution	Do not apply with air and substrate temperatures lower than 10°C and with relative humidity higher than 85%		
Introduction time	none		
Pot Life a 20° C	After mixture, product must be used within 60 min. Afterwards it becomes thick and cannot be used any more hours and less at higher temperatures. Pot-life ends when coating loses body and begins to sag.		

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	
Cleaning solvent	Thinner cod. 25100200	
Additional data	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	