INDUSTRIAL COATING DIVISION

Technical Data Sheet

EPOXY COAL TAR SB MATT BLACK

Product code: PS3381

Composition and Application Field

A two component high build amine adducts cured coal tar epoxy coating exhibits outstanding sea water, crude oil & fuel oil resistance. The high epoxy content produces a coating with excellent resistance to polluted water, such as sewage & provides excellent corrosion properties when applied in thick films. It has very good adhesion & abrasion resistance.

Use

Coal Tar can be applied to blast cleaned steel & concrete particularly immersion or under water areas where low grade service is required. Also can be applied on the internal surfaces of pipe lines ,floating & fixed roofs of crude oil and water storage tanks, cargo tanks, bilges, sewage disposal plants & sewage treatment pipe lines, tidal & splash zones and for long life protection of many other industrial installations.

TECHNICAL DATA: MIXED COMPONENTS

Specific Gravity	1.56 ± 0.02
Gloss	Matt
Color	Black
Volume Solids %	66 ± 1
Theoretical coverage (sq. m/Ltr)	8 at 100 Microns
Recommended W.F.T.	400 – 500 Microns
Recommended D.F.T.	300 Microns
Surface Dry	2-3 hours depending upon temperature & humidity
Touch Dry	7 hours
Through Dry	24 hours depending upon temperature & humidity
Full Curing	7 Days
Minimum over coating interval	Over night
Maximum over coating interval	3-5 days depending upon temperature
Mixing ratio by volume	4 : 1 Base : Hardeners
Pot Life @ 25°C	4 hours
Flash Point	27°C
Shelf Life	Minimum one year in un opened containers

Surface Preparation

STEEL: Degrease where necessary & abrasive blast clean to Sa 2 ½ or SSPC-SP 10 to remove rust and mill Scale, Weld Splatter, sharp edges & similar defects should be removed by grinding prior to blast cleaning. Blast profile must conform to agreed standards.

CONCRETE: Porous surfaces must be patched & sealed with suitable epoxy fillers. Prime with first coat thinned up to 20% to ensure good penetration.

PAINT SYSTEM ADVICE: For immersion service often a minimum thickness of Coal Tar Epoxy must be applied & should exceed 300 microns for adequate protection. Apply filler like Epoxy Filler to all voids, blow holes etc. followed by 2-3 coats of Coal Tar Epoxy. Total D.F.T.300 – 500 microns. Mix base with hardener & allow 10 minutes induction time before adding thinner. Apply several coats rather than one thick coat to avoid solvent retention especially when internally coating pipes & tanks. Observe carefully.

Application Methods

APPLICATION GUIDELINES	AIR SPRAY	AIRLESS SPRAY	BRUSH / ROLLER
Type of Thinner	Not recommended	EVI Epoxy Thinner	Touch up only
Volume of Thinner	For thick films	5-10%	10%
Nozzle Orifice		0.021-0.025	
Nozzle pressure		150 Bar	

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Safety Precaution

- Avoid contact with eyes & prolonged contact with skin.
- In case with skin contact wash thoroughly with soap & water.
- For eyes flush immediately with water for 15 minutes & call a physician.
- If breathing is effected by vapors move to fresh air.
- If swallowed call a physician immediately. Do not induce vomiting.
- Keep containers tightly closed when not in use.

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