

COAL TAR EPOXY MASTIC

Product code: PS3380HV

Composition and Application Field

Is a high solids, high build polyamide cured coal tar epoxy coating having excellent resistance to sea water, sewage water, crude oil and various soil chemicals.

Recommended for use on steel and concrete substrates in severe corrosive environments such as permanently submerged and buried pipes, sewage systems, splash zones, etc.

Use

As a long life protective coating for both steel and concrete

Technical Data : Mixed Components

Specific Gravity	1.56 ± 0.02
Color	Black
Volume Solids %	80 ± 2%
Theoretical coverage (sq. m/L)	4 sq.m/L @ 200 microns
Recommended W.F.T.	250 – 375 Microns
Recommended D.F.T.	200-300 microns
Surface Dry	2-3 hours depending upon temperature & humidity
Touch Dry	6 hours
Dry to Re-Coat	24 hours depending upon temperature & humidity
Full Curing	7 Days
Minimum over coat-ing interval	Over night
Maximum over coating interval	3-5 days depending upon temperature
Mixing ratio by volume	8 : 1 Base : Hardeners
Pot Life @ 25°C	4 hours
Flash Point	27°C
Shelf Life	Maximum 18 months 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 10% 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. 200 – 300 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 Method

APPLICATION GUIDELINES	AIRLESS SPRAY	BRUSH / ROLLER
Type of Thinner	EVI Epoxy Thinner	Touch up only
Volume of Thinner	5-10%	10%
Nozzle Orifice	0.021-0.025	
Nozzle pressure	150 Bar	

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.