

EPOXIT 820

Solvent Base Tar Epoxy

Description :- A solvent base, two component liquid tar-epoxy resin .

Fields of application

It is an anti-corrosion coating material for concrete, plaster, iron and steel. Its is used in sewage structures such as sewage pipes, sewage treatment plants... etc. Also Its is used for the protection of steel structures as sluices, harbor installation, sheet piles, ship-building as underwater coating.

Properties :-

- Excellent water immersion resistance .
- Excellent chemical resistance .
- Durable high build film properties .
- Good application properties.

Specification data : -

Coating Type :	Coal Tar Epoxy
- Colour	Black – Brown.
- Component ratio	5 paint : 1 Hardener
- Gloss	semi – gloss.
- Flash point	45o C .
- Thinner	Epoxy thinner.
- Thinner Ratio	5-15 % according to application equipment
- Pot life	6 H at 25o C .
- Shelf life	12 months
- Density	15 kg / cm ³ .
- Solid content	75 %
- Theoretical	
- spreading rate	5 m ² / Lit (150 mic.)
- Time of touch dry	4 – 5 Hrs.
- Surface preparation	All surfaces must be free of oil, grease and moisture before blasting to have white metal equivalent to steel structure painting council SP 10

Mixing and thinning:

Mix the paint and hardener 5 : 1 for 15 min.
With 5 – 15 % thinner .

Application:-

Can be applied by brush, spraying .

Airless spray .

:Nozzel Orifice :approx. 0.48-0.53 mm
0.019 – 0.021 inch.

:Nozzel pressure. : 15 MPA ie.150

Approx. at 2100 psi

Packaging

1 Kg, 10 Kg drums .

Complete cure

7 days .

Re-coating interval

6 Hours min.

5 days max.

Surface preparation:

Cement bound surfaces should be dry, firm, smooth and free of dirt, dust and dirt particles, and additionally free from oil, grease and other impurities which can act against adhesion. If necessary, sandblast, flame scale or grind the top surface.

Iron and steel must be rust and scale free, and free from oil, dust, and other impurities.

Application :-

Procedure for cement bound surfaces:

-Prime with Epoxit 820 with approximately

-20 % Euxit 501 universal thinner. Material consumption approx. 150- 200 g/m² .

-If considered necessary, apply filler comprising of:-

-1 Part (by volume) Epoxit 820

-1 part (by volume) quartz sand 0,2 – 0,7 mm.

-0,5 part (by volume) thickness agent (aerosil or sylodex) material consumption approx. 600 kg Epoxit 820 /m² and mm filler thickness.

-Apply one or two coats Epoxit 820 material consumption approx. 300g/m² per coating . interval between coating 12-48 hours.

-When a number of coatings are to be made, it is recommended that as a form of control or as a precaution against faulty application each coating applied should be of a different colour.

Container & size

-Epoxit 820 is supplied in containers of 1 kg, 10 kg, resin and hardener are supplied in correct mix. Ratios.

Colour

Black