

Nerolac Epoxy Coal Tar

Product Description

Two pack polyamide cured epoxy resin blended with coal tar medium, suitably pigmented.

Recommended Use

Nerolac epoxy coal tar is an economical high build epoxy coal tar possessing excellent resistance to mild chemicals and corrosive and marine atmospheres. It is ideally suited for continuous immersion conditions in water and seawater. Strongly recommended for use on structural steel in chemical plants, material handling facilities in ports, pipelines and storage tanks. It can be over-coated with acrylic dispersion and conventional aluminum paints to improve aesthetic and exterior durability.

Product Details

PHYSICAL PROPERTIES

Colour	Black
Finish	Matt to Eggshell
Temperature Resistance	Immersion: 80°C

PRODUCT FEATURES

Self-Priming
Excellent resistance to water and sea water
Excellent resistance to highly corrosive & humid conditions

Product Details

Volume solids



65 ± 3%

DFT/Coat



100 - 125 μ

VOC (EPA Method 24)



300 gm/Lit

Theoretical Coverage/Coat



5.2 – 6.5 m²/ltr.

Pack size

20 Ltr.: (4 Ltr. Part A+ 16 Ltr. Part B = 20 Ltr. Mix).

Drying & Overcoating at 30°C & 65% RH

Surface (Touch) Dry	3 – 4 Hrs
Hard Dry	36 - 48 Hrs
Full Cure	5 Days
Overcoating	Min. 36 Hrs Max. 5 days provided surface is dry, clean & free from any contaminants. After max. over coating interval the surface should be roughened prior to application of subsequent coat

Nerolac Epoxy Coal Tar

Surface Preparation

For Newly Build:

Abrasive blasting to min. Sa 2½ (ISO 8501-1) / SSPC SP 10 – Stainless steel, aluminium and other non-ferric metals use non-metallic blast media like garnet. Remove sharp profile, without blank spots, remove dust & loose particles.

For Old Surface / Maintenance and Repair:

Abrasive blasting to min. Sa 2 (ISO 8501-1) / SSPC SP 6, Water jetting to min Wa 2 (ISO 8501-4). Areas also can be cleaned by power tool to St 3 provided the surface is roughened and not polished.

Surface Cleanliness:

- Remove oil, grease and other contaminants by suitable cleaner
- Remove dust, blast media and loose particles
- Surface should be clean & dry before application of coating

Application Instructions

Stir the Comp. A and Comp. B separately. If settling is observed in the component B, loosen the settled material & mix it with the help of pneumatic stirrer. Mix component A gradually into component B in the specified ratio under continuous stirring till homogeneous. Use Nerolac recommended Epoxy thinner as specified.

Mixing Ratio by Volume

Component A : Component B

4 : 1

Pot Life

6–8 hrs at 30°C

Curing Mechanism

Solvent release and chemical reaction between two components.

Thinner Consumption

Airless Spray

0 – 10%

Conventional Spray

5 – 25%

Brush

0 – 10%

The product can be applied by:

- Airless Spray – Nozzle pressure: 175 bar [2500 psi] Nozzle orifice: 0.019–0.021"
- Conventional Spray
- Brush

During application following precautions should be taken:

- Relative humidity must be below 85% during application as well as during curing
- Do not allow material to remain in hoses, gun or spray equipment
- Clean all equipment with recommended thinner immediately after completion of job

Environmental Conditions

Surface temperature must be 3°C above Dew Point to prevent condensation.

Air

5 – 40°C

Surface

5 – 50°C

Relative Humidity

Below 85%

Nerolac Epoxy Coal Tar

Storage & Shelf Life

12 months under normal storage condition in original sealed containers at 30°C

Heavy pigments will have a natural tendency to settle down over time. Mix uniformly with heavy duty stirrer prior to usage. Hard settling may occur if stored above the recommended storage temperature.

Safety Precautions

Please refer to the Material Safety Data Sheet.

Product Compatibility

Suitable Top coats:- Acrylic topcoats and Conventional Aluminium Paints.

Special Notes

Thinner consumption may vary depending upon site conditions. Practical covering capacity depends on application techniques, ambient conditions, wastage, surface condition etc. The drying time and overcoating interval vary with respect to change in temperature, humidity, film thickness, ventilation, thinner intake etc.

DISCLAIMER:

KANSAI NEROLAC PAINTS Ltd. (KNPL) warrants that all products are free from any defects of manufacture and comply with the specification given in their respective technical data sheet. No warranty can be given as to the results of use because conditions of use, such as site conditions, surface preparations, workmanship, weather, structural issues and other factors are beyond the control of **NEROLAC**. Purchaser agrees to seek the advice of qualified professionals to carry out tests and take trials to determine the suitability of products for their intended purpose prior to full scale use of KNPL products and assumes all risks.

The company does not assume any liability for unsatisfactory results, arising from the use of our products. Purchaser's sole liability is limited to replacement of product or refund of the purchase price paid if any product proven defective. No other warranties express or implied, shall apply including any warranty of merchantability or fitness for particular purpose.

KNPL shall not be liable for any consequential damages arising from the use of our products for unsatisfactory results. The information supplied in this data sheet is based on our experience through extensive research and is given in good faith in order to help prospective users. We reserve the right to update the information provided in our technical data sheet at any time without prior notice within the scope of technical progress or new developments.

Issue Date :- March 25