

Neropoxy 78 CTE Black

Product Description

Extenders dispersed in polyamide and coal tar hardener and separately packed epoxy binder.

Recommended Use

Neropoxy 78 CTE Black is fast cure HB coal tar epoxy coating. It has excellent corrosion resistance and good abrasion resistance. It is suitable for application in marine structures, ballast tanks, crude oil / cargo tanks, pipe coating and lining, oil refineries, waste-water treatment plants etc. It is also recommended for use on structural steel chemical plants, material handling facilities in ports, pipeline and storage tanks. It can be used as an economical coating suitable for use over both steel and concrete.

PHYSICAL PROPERTIES

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

Product Features

Good abrasion resistance
Excellent resistance to water and sea water
Excellent resistance to highly corrosive & humid conditions

Product Details

Volume solids



78 ± 3%

DFT/Coat



100 - 300 µ

VOC (EPA Method 24)



191 gm/Lit

Theoretical Coverage/Coat



2.6 – 7.8 m²/ltr.

Pack size

20 Ltr.: (10 Ltr. Part A + 10 Ltr. Part B = 20 Ltr. Mix).

Drying & Overcoating at 30°C & 65% RH

Surface (Touch) Dry	2 – 3 Hrs
Hard Dry	16 - 18 Hrs
Full Cure	7 Days
Overcoating	Min. 16 Hrs Max. 3 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

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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, 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

1 : 1

Pot Life

Up to 6 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%

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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.

Outdoor exposure in sunlight or exposure to elevated temperatures may result in chalking / discoloration in all epoxies. However, it does not affect the anti-corrosive performance.

Exposure to standing water may result in discoloration / spot rusting in case of low DFT.

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