

Neropoxy SF Phenolic Coating

Product Description

Novolac Epoxy Phenolic coating cured with Polyamine adduct hardener

Recommended Use

Neropoxy SF Phenolic Coating is a two-pack amine adduct cured epoxy tank lining. This product is designed to use as a tank lining for the storage of fresh and salt water, brine, sour crude, other refined petroleum products and solvents. It has excellent resistance against highly corrosive and humid atmosphere.

Product Details

PHYSICAL PROPERTIES

Colour	Grey
Finish	Smooth & Semi Glossy
Temperature Resistance	Non-continuous: 200°C, Continuous: 120°C

PRODUCT FEATURES

Excellent resistance to mild acidic, alkaline solutions, chlorides and sulphates
 Excellent adhesion to prepared surface
 Excellent resistance to highly corrosive & humid conditions
 Excellent resistance to crude and heavy oils

Product Details

Volume solids



99 ± 1%

DFT/Coat



300 - 450 µm

VOC (EPA Method 24)



VOC Free

Theoretical Coverage/Coat



3.0 – 4.50 m²/ltr.

Pack size

20 Ltr.: (15 Ltr.-Part A+ 5 Ltr. Part B = 20 Ltr. Mix).

Drying at 30°C & 65 % RH

Surface (Touch) Dry	2 Hrs.
Hard Dry	16 - 18 Hr.
Full Cure	7 Days

Overcoating Interval

Temperature	20°C	30°C	40°C
Min	14 Hrs.	8 Hrs.	4 Hrs.
Max	5 days	5 days	5 days

The drying time varies with respect to changes in temperature, humidity & DFT.

After max. overcoating 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, aluminum and other non-ferrous 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 as per SSPC-SP1
- Remove dust, blast media and loose particles
- Surface should be clean & dry before application of coating

Application Instructions

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

Mixing Ratio by Volume

Component A : Component B

3 : 1 By Volume

Pot Life

Up to 1 Hr. at 30°C

Curing Mechanism

Solvent release and chemical reaction between two components.

Thinner Consumption

Not recommended.

The product can be applied by:

- Airless Spray – Nozzle pressure: 175 bar [2500 psi] Nozzle orifice: 0.019–0.025"
- 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

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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%

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

Can be top coated with Epoxy / Polyurethane coating.

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.

The coating should be fully cured till 7 days prior to exposure to in service conditions.

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