

Neropoxy Solvent Free Coating

Product Description

Two pack system cured with amine adduct and suitably pigmented epoxy resin.

Recommended Use

Neropoxy Solvent Free Coating is a two-pack high build amine 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. It is suitable for immersion service conditions.

Product Details

PHYSICAL PROPERTIES

Colour	Red Oxide / Grey / White
Finish	Smooth & Semi glossy
Temperature Resistance	Non continuous (Dry): 120°C, Immersion: 50°C

PRODUCT FEATURES

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

Product Details

Volume solids



99 ± 1%

DFT/Coat



250 - 500 μ

VOC (EPA Method 24)



VOC Free

Theoretical Coverage/Coat



2.0 - 4.0 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 – 3 Hrs
Hard Dry	14 - 16 Hrs
Full Cure	5 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, aluminium 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
- 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 in the component A, 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 as specified for cleaning purposes.

Mixing Ratio by Volume

Component A : Component B

Pot Life

Curing Mechanism

3 : 1 By Volume

Up to 45 mins. at 30°C

Solvent release and chemical reaction between two components.

Thinner Consumption

Not recommended.

The product can be applied by:

- Airless Spray Dual Component – Nozzle pressure: 175 bar [2500 psi] Nozzle orifice: 0.017–0.025"
- 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.

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

Can be top coated with suitable 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.

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

DISCLAIMER:

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