

Neropoxy 62 TL HB Coating

Product Description

Two pack polyamine cured epoxy resin medium, suitably pigmented.

Recommended Use

Neropoxy 62 TL HB Coating is a two-pack high build epoxy cured with amine adduct. This product is self-priming coating designed to use as lining/coatings for tank internal, pipes for the storage of fresh & salt water, brine, sweet & sour crude, other refined petroleum products & solvents. It has excellent resistance against highly corrosive & humid atmosphere.

Product Details

PHYSICAL PROPERTIES

Colour

Light and Dark Grey

Finish

Matt to Eggshell

Temperature Resistance

Non-continuous: 120°C, Continuous: 100°C

PRODUCT FEATURES

Self-Priming

Excellent adhesion to prepared surfaces

Excellent resistance to water and sea water

Excellent resistance to oils and chemicals

Tough, hard and high abrasion resisting

Excellent resistance to highly corrosive & humid conditions

Product Details

Volume solids



62 ± 3%

DFT/Coat



100 - 125 µ

VOC (EPA Method 24)



283 gm/Lit

Theoretical Coverage/Coat



4.96 – 6.2 m²/ltr.

Pack size

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

Drying & Overcoating at 30°C

Surface (Touch) Dry

3 Hrs

Hard Dry

16 - 18 Hrs

Full Cure

7 Days

Overcoating Interval

Temperature

20°C

30°C

40°C

Min

8 Hrs.

6 Hrs.

5 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-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 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.

Mixing Ratio by Volume

Component A : Component B

4 : 1

Pot Life

Up to 2 hrs at 30°C

Curing Mechanism

Solvent release and chemical reaction between two components.

Thinner Consumption

Air Assisted Spray

5 – 20%

Airless Spray

0 – 10%

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 / Roller

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 PU.

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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