

Neropoxy ZP Primer 52

Product Description

Anti-corrosive zinc phosphate pigment dispersed in epoxy binder with separately packed polyamide hardener.

Recommended Use

Neropoxy ZP Primer 52 is designed for heavy duty general purpose protective primer recommended for protection of structural steel, equipment conveyor, storage tanks, heavy equipment etc. in saline marine and chemical environment. It is recommended for use in new construction and maintenance services over properly prepared surfaces in protective coating system for steel structures exposed to aggressive conditions.

PHYSICAL PROPERTIES

Colour	Grey
Finish	Smooth & Matt
Temperature Resistance	Non-continuous: 120°C, Continuous: 100°C

Product Features

Excellent adhesion to steel surfaces
Excellent resistance to water and sea water
Good resistance to oils and chemicals
Good resistance to highly corrosive & humid conditions

Product Details

Volume solids



52 ± 3%

DFT/Coat



40 - 60 μ

VOC (EPA Method 24)



417 gm/Lit

Theoretical Coverage/Coat



8.66 -13.0 m²/litr.

Pack size

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

Drying at 30°C & 65% RH

Surface (Touch) Dry	1 Hr.
Hard Dry	8 - 10 Hrs.
Full Cure	7 Days

Overcoating Interval

Temperature	20°C	30°C	40°C
Min	8 Hrs.	4 Hrs.	3 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.

Neropoxy ZP Primer 52

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 uniform. 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

3 : 1 By Volume

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%

Brush

0 – 10%

Conventional Spray

5 – 20%

The product can be applied by:

- Airless Spray – Nozzle pressure: 175 bar [2500 psi] Nozzle orifice: 0.017–0.021"
- 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%

Neropoxy ZP Primer 52

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:- Epoxy, PU, Alkyd, Fluro, polysiloxane.

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:

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.

PN - 1011004

Issue Date :- March 25