

Neropoxy Super High Build MIO

Product Description

Epoxy resin suitably pigmented with Micaceous Iron Oxide (80% on pigmentation) and separately packed hardener.

Recommended Use

Neropoxy Super HB MIO Coating is designed for use as a two: pack high build epoxy intermediate. This coating provides an intermediate coat having good resistance against highly corrosive & humid atmosphere. It is recommended for use in new construction and maintenance services over properly primed surfaces in protective coating system for steel & concrete structures exposed to aggressive conditions.

PHYSICAL PROPERTIES

Colour	Grey / Red Brown
Finish	Slight sheen to Eggshell
Temperature Resistance	Non-continuous: 120°C, Continuous: 100°C

Product Features

Excellent adhesion to zinc or non-zinc epoxy primers
 Excellent resistance to water and sea water
 Excellent resistance to highly corrosive & humid conditions

Product Details

Volume solids



80 ± 3%

DFT/Coat



100 - 200 µ

VOC (EPA Method 24)



190 gm/Lit

Theoretical Coverage/Coat



4.0 – 8.0 m²/ltr.

Pack size

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

Drying at 30°C & 65% RH

Surface (Touch) Dry	3 - 4 Hrs.
Hard Dry	8 - 10 Hrs.
Full Cure	7 Days

Overcoating Interval

Temp	20°C	30°C	40°C
Min	14 Hrs.	6 Hrs.	4 Hrs.
Max	5 days	5 days	5 days

The overcoating interval 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

Before applying this epoxy intermediate coat, the epoxy primer/ zinc primer undercoat must be clean, dry & free from moisture, grease and other contaminants or even surface coat may be applied. In case of aged epoxy primer, the surface should be sufficiently roughened prior to painting. In case of aged zinc primer, the white deposition on the painted surface should be removed by thorough water scrubbing or high-pressure water washing. A mist coat is recommended prior to painting over zinc rich primers.

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

4 : 1 By Volume

Pot Life

Up to 2 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
- Apply a mist coat prior application over zinc rich primers.

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

Compatible over Suitable Zinc Silicate, Epoxy Zinc Rich/Zinc Phosphate & Non zinc Primers.

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.

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