

Neropoxy Super HB MIO

Scope

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. This product has temperature resistance up-to 120°C(Dry). For wet temp resistance, consult KNPL technical team

Composition

Epoxy resin suitably pigmented with Micaceous Iron oxide (80 % on Pigmentation) & separately packed hardener.

Volume solids	80 ± 3 %
DFT / Coat	100 - 200 μ
Theoretical Coverage / Coat	4.00 - 8.00 m ² / ltr.
VOC (EPA Method 24)	190 gm/Lit
Product Weight	1.60 kg/lit

Product Details

Type	Two Pack
Mixing Ratio	By Volume
Component A	4 Parts
Component B	1 Part
Colour	Red Brown, Grey
Gloss	Slight sheen to eggshell
Pot Life	1 hrs at 30°C
Curing Mechanism	Solvent release and chemical reaction between the components
Flash Point	Above 25°C
Drying Time (30°C)	
Surface Dry	3 -4 Hrs
Hard Dry	16 - 18 Hrs
Full Cure	7 Days
Recoating Time	Min. 18 Hrs. Max. 1 Month provided surface is dry, clean & free from any contaminants.
Thinner	Range of Nerolac Epoxy Thinner
Thinner Intake	
Brush	5 - 15%
Conventional Spray	5 - 15%
Airless Spray	0 - 10%

Application Details

Applied over:

Blast cleaned / prepared surface.

Application Method:

Brush / Conventional spray / Airless spray

Shelf Life:

12 months under normal storage condition in original sealed containers at 30°C

Pack Size:

20 ltrs : (16 Lits - Part A + 4 Lits Part B = 20 lits Mix.

Surface Preparation:

Before applying the coating, all surfaces must be clean, dry, and free mill scale. Blast cleaning to Sa-2.5 grade of international standard to ISO 8501-1 is the only satisfactory method of preparing steel surfaces. Manual or mechanical chipping, scrapping and wire brushing to Sa-2.5 grade of international standard is recommended only where cleaning is not feasible.

Application Instruction:

Stir the Comp. A and Comp. B separately. If settling is observed in the comp A, loosen the settled material and mix it with the help of pneumatic stirrer. Mix comp B gradually into the comp A in the specified ratio under continuous stirring till homogenous. Use epoxy thinner as specified for brush and spray application.

Special Notes:

Thinner consumption may vary depending upon site conditions. Practical covering capacity depends on application techniques, ambient conditions, wastage, surface condition etc.

Safety Precautions:

Please refer to the Material Safety Data Sheet.

Environmental Conditions:

Surface temperature must be 3°C above Dew Point to prevent condensation. .

Temperature:

Air	5 - 40°C
Surface	5 - 50°C

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