

Neropoxy 554 (RPL) HB Zinc Rich Primer

Scope

Neropoxy 554 HB zinc rich primer coating is recommended for use under corrosive conditions on blast cleaned surfaces and designed as a system primer in various paint systems. Temperature resistance 120°C. Zinc content 80% on dry film and performance requirements of SSPC Paint 20.

Composition

Metallic zinc dust ASTM D 520 (Type II) dispersed in epoxy binder with separately packed clear polyamide hardener

Volume solids	60% ± 3
DFT / Coat	50-100 μ
VOC (EPA Method 24)	370 gm/Lit
Product Weight	2.26 kg/lit
Theoretical Coverage / Coat	6-12 m ² / ltr.

Product Details

Type	Two Pack
Mixing Ratio	By volume
Component A	4 parts
Component B	1 part
Colour	Grey
Gloss	Matt
Induction Time	30 - 40 Mins.
Pot life	6 hrs at 30°C
Curing mechanism	Solvent release and chemical reaction between two components.
Flash Point	
Component A	Above 25°C
Component B	Above 25°C
Drying Time (30°C)	
Surface Dry	15 - 30 Mins
Hard Dry	16 - 18 Hrs
Full Cure	7 Days
Overcoating Interval	Min. 16 Hrs Max. Unlimited provided surface is completely free from corrosion contamination and zinc salts.
Thinner	Range of Nerolac Epoxy Thinner
Thinner Consumption	
Conventional Spray	5 - 20%
Airless Spray	0 - 10%
Brush	0 - 5%

Application Details

Applied over:

Blast cleaned steel / prepared surface

Application Method:

Brush / Conventional spray / Airless spray.

Shelf Life:

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

Pack Size:

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

Surface Preparation:

Before applying the primer, all surfaces must be clean, dry and free to from mill scale. Blast cleaning to Sa 2.5 of International Standard ISO 8501:1 2007 is the only satisfactory method of preparing steel surfaces.

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 the comp. B gradually to the comp. A in the specified ratio under continuous stirring till homogeneous. Use epoxy thinner for brush and spray application as specified.

Environmental Condition:

Surface temperature must be 3°C above the dew point to prevent condensation.

Temperature:

Air	5 - 40°C
Surface	5 - 50°C

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.

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