

Nerotide 1054

Product Description

Two pack polyamine cured epoxy resin medium, suitably pigmented.

Recommended Use

Nerotide 1054 is a two-pack high build high solid barrier coat designed to give long term protection in single coat. It forms a tough barrier providing long lasting protection in continuous or intermittent immersion against repeated splash wetting and wave action and salt air exposure. Gives excellent barrier protection when used on tank roofs, embedded parts. It can be exposed to still water contact right after application to horizontal, vertical, overhead surfaces or complex structural configuration.

PHYSICAL PROPERTIES

Colour	In various shades
Finish	Smooth & Glossy
Temperature Resistance	Non-continuous: 120°C, Continuous: 100°C

Product Features

Self-Priming	Excellent adhesion to prepared surfaces
Low VOC product	Excellent resistance to saline atmosphere
Tough, hard and high abrasion resisting	Excellent resistance to highly corrosive & humid conditions

Product Details

Volume solids



90 ± 3%

DFT/Coat



100 - 500 µ

VOC (EPA Method 24)



87 gm/Ltr

Theoretical Coverage/Coat



1.80 – 9.00 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	4 - 5 Hrs
Hard Dry	8 - 9 Hrs
Full Cure	7 Days

Overcoating Interval

Temperature	20°C	30°C	40°C
Min	12 Hrs.	8 Hrs.	6 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

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 Epoxy / PU coating.

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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