

Neromastic 400 GFA Solvent Free Coating

Product Description

Modified epoxy resin with glass flake reinforced and separately packed amine hardener.

Recommended Use

Neromastic 400 GFA SF is a high build glass flake epoxy coating designed to provide a high build film in a single coat. It protects both steel and concrete in severe environments such as heavy industrial facilities, splash and tidal zones, under deck and helideck areas as well as subsea structures. The glass flake reinforcing provides a high degree of moisture resistance, excellent abrasion and impact resistance. Suitable for immersion service.

Product Details

PHYSICAL PROPERTIES

Colour	Desired shades
Finish	Matt to Eggshell
Temperature Resistance	Non-continuous: 120°C, Continuous: 100°C

PRODUCT FEATURES

Excellent anticorrosive properties
Excellent adhesion to prepared surface
Excellent resistance to highly corrosive & humid conditions
Excellent resistance to crude and heavy oils

Product Details

Volume solids



99 ± 1%

DFT/Coat



200 - 500 µ

VOC (EPA Method 24)



VOC Free

Theoretical Coverage/Coat



2.0 – 5.0 m²/ltr.

Pack size

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

Drying at 30°C & 65% RH

Surface (Touch) Dry	6 - 8 Hr.
Hard Dry	16 - 18 Hr.
Full Cure	7 Days

Overcoating Interval

Temperature	20°C	30°C	40°C
Min	16 Hrs.	12 Hrs.	9 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, aluminum 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 as per SSPC-SP1
- 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, 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.

Mixing Ratio by Volume

Component A : Component B

3 : 1 By Volume

Pot Life

Up to 45 mins. at 30°C

Curing Mechanism

Solvent release and chemical reaction between two components.

Thinner Consumption

Not recommended.

The product can be applied by:

- Airless Spray – Nozzle pressure: 175 bar [2500 psi] Nozzle orifice: 0.017–0.025"
- 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

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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%

Storage & Shelf Life

12 months under normal storage conditions 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 Epoxy / Polyurethane 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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Issue Date :- Oct 25