

Nerolac Aluminium Paint IS 2339

Product Description

Specially formulated Aluminum paint incorporating Leafing Aluminum pigment and a durable protective medium packed in dual container.

Recommended Use

Recommended for interior and exterior use as a high performance, protective finishing paint for all types of structural steel, bridges, oil and petrochemical storage tanks, installation and equipment in a wide variety of industries. The bright metallic finish of the paint acts as a good heat reflector. It offers a very high standard of protection to a wide variety of steel surfaces when used in conjunction with appropriate anti corrosive primer.

Product Details

PHYSICAL PROPERTIES

Colour

Aluminum

Finish

Bright, Smooth & Lustrous

PRODUCT FEATURES

Excellent heat resistance up to 250°C

Meets IS 2339 Specification

Excellent corrosion resistance with appropriate anti corrosive primer

Good weather and water resistance

Product Details

Volume solids



42 ± 2 %

DFT/Coat



20 - 25 µm

VOC
(EPA Method 24)



504 gm/Lit

Theoretical
Coverage/Coat



16.8 – 21 m²/ltr.

Pack size

20 Ltr.: (17.1 Ltr. – Medium for Al paint + 2.93 Ltr. – Aluminium Paste = 20 Ltr. Mix).

Drying at 30°C & 65% RH

Surface (Touch) Dry

1 Hr.

Hard Dry

8 Hr.

Full Cure

7 Days

Recoating Interval

Temperature

20°C

30°C

40°C

Min

16 Hrs.

10 Hrs.

6 Hrs.

Max

5 days

5 days

5 days

The drying time varies with respect to changes in temperature, humidity & DFT.

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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. Surface profile of max 10 micron is acceptable if applied as DTM.

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 until homogenous. 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 recommended thinner.

Mixing Ratio by Volume

Component A : Component B

77.5 : 22.5 By Weight

Pot Life

NA

Curing Mechanism

Solvent release and Oxidative drying

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: 0.017–0.025"
- 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

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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 condition in original sealed containers at 30°C

Safety Precautions

Please refer to the Material Safety Data Sheet.

Product Compatibility

Compatible over Suitable Zinc Silicate Primer.

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.

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