

Nerotherm 8910

Product Description

Pigments / Aluminium paste dispersed in acrylic silicone binder.

Recommended Use

Nerotherm 8910 is a silicone acrylic coating used as a maintenance coating for high temperature service. It is a weather resistant topcoat which has excellent colour retention and appearance in weathering exposure.

PHYSICAL PROPERTIES

Color
Finish
Temperature Resistance (Dry)

Specific colors & Aluminum
Semi glossy
Maximum 200°C for Aluminum shade
Maximum 150°C for all other shades

Product Features

Excellent resistance to dry heat up to 200°C
Not Recommended in confined space
& immersion Condition

Excellent adhesion to zinc silicate primer
Excellent corrosion resistance with zinc silicate primer
as undercoat

Product Details

Volume solids



35 ± 2%

DFT/Coat



25 - 50 µ

VOC
(EPA Method 24)



565 gm/Lit

Theoretical
Coverage/Coat



7.0 – 14.0 m²/ltr.

Pack size

4 Ltr. & 20 Ltr.

Drying at 30°C & 65% RH

Surface (Touch) Dry	30 mins
Hard Dry	16 – 18 Hrs.
Full Cure	7 Days

Recoating Interval

Temperature	20°C	30°C	40°C
Min	14 Hrs.	8 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

Abrasive blasting to min. Sa 2½ (ISO 8501-1) / SSPC SP 10 – Stainless steel, aluminium and other non-ferrous metals use non-metallic blast media like garnet. Remove sharp profile, without blank spots, remove dust & loose particles, then apply one coat of zinc silicate primer. The primer must be clean dry and free from moisture grease and other contaminants. Surface profile of max 10 micron is acceptable if applied as DTM.

Surface Cleanliness:

- Remove oil, grease and other contaminants by suitable cleaner as per SSPC SP-1
- Remove dust, blast media and loose particles
- Surface should be clean & dry before application of coating

Application Instructions

Stir the paint in the drum until homogenous. If settling is observed in drum, loosen the settled material & mix it with the help of pneumatic stirrer. Use Nerolac recommended thinner as specified.

Mixing Ratio by Volume

Component A : Component B

NA

Pot Life

NA

Curing Mechanism

Solvent release and oxidative drying

Thinner Consumption

Air Assisted Spray

0 – 10%

Airless Spray

0 – 5%

Brush

0 – 5%

The product can be applied by:

- Airless Spray – Nozzle pressure: 175 bar [2500 psi] Nozzle orifice: 0.015"–0.017"
- Conventional Spray / Air Assisted 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

< 85%

Storage & Shelf Life

6 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.

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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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