

Nerotherm 650 CUI

Product Description

Aluminium paste dispersed in silicone binder.

Recommended Use

Nerotherm 650 CUI is a high performance, high temperature resistant, silicon aluminium base coating. It can be applied Direct to metal for excellent heat and corrosion protection under insulation. It is typically applied on structures exposed to high temperatures such as stacks, pipes, chimneys in chemical plants, power plants, oil production and refinery plants.

Product Details

PHYSICAL PROPERTIES

Color	Aluminum Grey
Finish	Egg Shell
Temperature Resistance (Dry)	-196°C to 650°C

PRODUCT FEATURES

Excellent resistance to dry heat up to 650°C	Suitable for cyclic temperature variation
Not Recommended in confined space & immersion Condition	Excellent corrosion and temperature resistance
	Suitable for application over properly prepared Stainless-steel substrates.

Product Details

Volume solids



53 ± 3%

DFT/Coat



100 - 150 μ

VOC (EPA Method 24)



404 gm/Lit

Theoretical Coverage/Coat



3.53 – 5.30 m²/litr.

Pack size

20 ltr.

Drying & Recoating at 30°C

Surface (Touch) Dry	10 - 20 mins
Hard Dry	16 Hrs.
Full Cure	7 Days
Recoating	Min. 6 Hr

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Surface Preparation

Abrasive blasting to min. Sa 2½ (ISO 8501-1) / SSPC SP 10 – For Stainless steel, aluminium and other non-ferrous metals use non-metallic chloride free blast media like garnet. Remove sharp profile, without blank spots, remove dust & loose particles.

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 and free from any chloride salt 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	49 : 1
Pot Life (30°C)	Minimum 2 Hrs
Curing Mechanism	Solvent release and cross-linking reaction

Thinner Consumption

Air Assisted Spray	5 – 15%
Airless Spray	0 – 10%
Brush	0 – 10%

The product can be applied by:

- Airless Spray – Nozzle pressure: 175 bar [2500 psi] Nozzle orifice: 0.017"–0.021"
- 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

Environment 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

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

Safety Precautions

Please refer to the Material Safety Data Sheet.

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Product Compatibility

Suitable as a DTM monocoat over properly prepared steel surfaces only. Not suitable for overcoating with any other coating.

Special Notes

Thinner consumption may vary depending upon site conditions. Practical covering capacity depends on application techniques, ambient conditions, wastage, surface condition etc.

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