Nerotherm 538

SCOPE

Nerotherm 538 is a high performance, high temperature resistance, Silicone aluminium base coating. It can also be applied over inorganic zinc silicate primers for enhanced corrosion protection. it is typically applied on structures exposed to high temperatures such as stacks, pipes, chimneys in chemical plants, marine structures, ships, power plants, oil production and refining plants.

COMPOSITION

Aluminium paste dispersed in silicone binder.

Volume solids	31 ± 3%
DFT / Coat	25µ
Theoretical Coverage / Coat	12.40 m^2 / ltr.

PRODUCT DETAILS

Type	Single Pack
Colour	Aluminium
Gloss	Luster
Curing mechanism	Solvent release and heat curing
Temperature Resistance – Dry	600°C
Flash Point	Above 28°C
Drying Time (30°C)	
Surface Dry	30 mins.
Cure Time	2 Hrs. followed by 2 Hrs. at 150°C
Recoating Time	1 Hr.
Thinner	Nerobond 65
Thinner Consumption	
Conventional Spray	5 – 20%
Brush	0 – 5%
Airless Spray	0 – 15%

APPLICATION DETAILS

Applied Over:
Blast cleaned M.S. Surface Nerobond zinc silicate primer

Application Method:
Brush / Conventional spray / Airless spray

Shelf Life:
6 months under normal storage condition in original sealed containers at 30°C

Pack Size:
4 ltrs. & 20 ltrs.

Surface Preparation:
Before applying the primer, all surfaces must be clean, dry, and free from mills scale. Blast cleaning to Sa-2.5 grade of International Standard to ISO 8501-1:1988 is the only satisfactory method of preparing steel surfaces. Primed surface must be clean, dry, free from moisture, grease and other contaminants.

Application Instruction:
If settling is observed in the drum, loosen the settled material & mix with pneumatic stirrer till homogeneous.

Environmental Conditions:
Surface temperature must be at least 3°C above Dew Point to prevent condensation.

Temperature:

Air	5 - 40°C
Surface	5 - 50°C

Special Notes:
Thinner consumption may vary depending upon site condition. Practical covering capacity depends on application technique, ambient condition, wastage, surface condition etc.

Safety Precautions:
Please refer to the Material Safety Data Sheet.

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Tel: 2493 4001 | Fax: 2493 5743 | Email us at industrial@nerolac.com | Visit us at www.nerolac.com

KANSAI NEROLAC PAINTS LIMITED
Nerolac House, Ganpatrao Kadam Marg, Lower Parel, Mumbai 400013