silkoshine

HEAT RESISTANT SILICON FINISH

Heat Resistant is formulated with a specially engineered silicon hybrid resin enabling it to withstand temperatures from 500°F (260°C) to 1000°F(538°C) as well as severe thermal cycling. It can be used direct to stainless steel, carbon steel or as a topcoat over inorganic zinc rich primer while providing outstanding corrosion protection.

PHYSICAL PROPERTIES

Vehicle Type	Silicon Binder
Pigmentation	Leafing Aluminium
Solvent	Aromatic/ketone/ether
Finish	Metallic Sheen
Colour	Bright Aluminium
Dry time (minimum)	4-6 hours. Touch: after baking @ 200°C
Primer Required	Yes, (Ethyl zinc silicate)
Theoretical coverage	15 sq. metres per litre
Volume Solids	34%
Recommended DFT	15 microns per coat
Usual no. of Coats	2-3
Abrasion Resistance	Excellent
Weatherability	Excellent in mild industrial and coastal exposures.
Solvent Resistance	Withstands intermittent splash and spillage of aliphatic hydrocarbons
Toxicity	Dry film is non toxic
Acid Resistance	Not Suitable for acidic environment.
Thinning and Clean up	Thinner
Pack Size	4 litre composite

TYPICAL USES

- Direct to stainless steel
- Direct to carbon steel or with primer
- Cyclic service up to 538°C with temperature spikes up to 648°C
- Power plants
- Refineries
- Chemical facilities
- Offshore/Marine
- Pulp & Paper

PERFORMANCE AND LIMITATIONS

Performance

1. Single component.
2. Recommended for continuous service up to 538°C with spikes up to 648°C.
3. User-friendly - can be brush or rolled.
4. Excellent spray application properties.
5. Air dries at ambient.
6. Can be applied direct to stainless steel.

Limitations

1. Not Suitable for acidic and alkaline environment.
2. Suitable for splash and spillage of neutral salt solution only.