

TECHNICAL DATASHEET

HEAT RESISTANT TOPCOAT

PRODUCT DESCRIPTION

Heat resistant paint is formulated with a specially engineered silicon hybrid resin enabling it to withstand temperatures up to 400°C as well as severe thermal cycling. Ideal for surfaces subject to corrosion, high temperatures and thermal shocks.

PRODUCT BENEFITS

- 1- Single pack, easy to apply
- 2- High resistance to weather and ultra violet light.
- 3- Excellent adhesion
- 4- Excellent heat resistance
- 5- Chemical and mechanical resistance
- 6- Anti-corrosion properties

RECOMMENDED USES

For long-term protection of metal construction subject to high heat. It is used as a topcoat in multi-coat systems for the protection of objects such as blast furnaces, cracking plants, steel stacks, rotary kilns, hot pipelines, boilers, chimneys and radiators which are subject to very high thermal stress.

SURFACE PREPARATION

Remove oil and grease thoroughly with suitable detergent. Remove salts and other contaminants by (high pressure) fresh water cleaning. Rust and deteriorated coatings must be removed. Prime with one or two coats of heat resistant primer before the application of the topcoat.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Physical State Viscous Liquid

Color range Aluminium, white, black...
Specific Gravity, ISO 2811 1.2-1.5 g/cm³

Drying Time, ASTM D5894 30 minutes
Recoat Time 2-3 hours

Sag Resistance, ASTM D3730 Excellent
Heat Resistance Excellent

Water Resistance Excellent

Chemical Properties

Total solids, by weight: 60- 66%
Total pigments, by weight: 40- 45%

PRIMING/THINNING/ APPLYING

Apply one coat of heat resistant primer. Apply two coats of heat resistant paint without thinning. Clean tools and equipment with solvent directly after use.

Coverage 10-12 sqm/L (Aluminium finish)
12-14 sqm/L (Solid colors)

Dry film thickness 80-90 µm in 2 coats

PACKING

In cylindrical tin containers of the following capacities:

- 1 US Quart = 0.95 L.
- 1 US gallon = 3.78 L.
- 1 Pail (5 U.S.G.) = 20L

STORAGE

1 year under normal storage conditions from the issue date.
Avoid frost & excessive heat.

The technical information contained in this Technical Data Sheet is to be understood as advice only and not binding in any respect.

All details about working with our products should be adapted to prevailing local conditions and materials used.