HAPPY WALL PAINTS
COLORING THE IMPOSSIBLE

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

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Color range	Aluminium, white, black…
Specific Gravity, ISO 2811	1.2-1.5 g/cm^3
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.
- 1Pail (5 U.S.G.) = 20L

STORAGE

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

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