

TECHNICAL DATASHEET

HEAT RESISTANT PRIMER

PRODUCT DESCRIPTION

One component silicone based zinc rich primer specially designed for temperatures reaching 400⁰C. Its particular formulation makes it ideal for surfaces subject to corrosion, high temperatures and thermal shocks.

PRODUCT BENEFITS

- 1- Excellent adhesion
- 2- Excellent heat resistance
- 3- Chemical and mechanical resistance
- 4- Anti-corrosion properties
- 5- Good inter-coat adhesion

RECOMMENDED USES

Suitable for properly prepared carbon steel, galvanised steel, stainless steel and aluminium substrates.

For long-term protection of metal construction subjected to high heat.

This anticorrosive primer is used 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.

Let dry before applying the primer.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Properties

Physical State Viscous Liquid

Appearance Metallic Finish

Specific Gravity, ISO 2811 2.9 g/cm³

Drying Time, ASTM D5894 30 minutes

Recoat Time 2-3 hours

Sag Resistance, ASTM D3730 Excellent

Heat Resistance Excellent

Chemical Properties

Total solids, by weight: 75-80 %

Total pigments, by weight: 65-70%

Main pigment Zinc dust in total pigments: 98%

Service Temperature: Maximum, dry: 400°C

THINNING/ APPLYING

This primer can be applied by brush, roller or spray. Thin in accordance with the application method up to 10% thinner.

It is used directly on blast-cleaned steel.

For maximum corrosion protection, apply one coat of primer and two coats of heat resistant paint.

Clean tools and equipment with solvent directly after use.

Coverage 8-9sqm/L

Dry film thickness 40-50 µm

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.