

BERGER SUPER HEAT RESISTANT *S/SPECIFIC ALUMINIUM FINISH

PRODUCT SCOPE

Berger Super Heat Resistant *S/Specific Aluminium Finish is specially designed for the application to metal surfaces subjected to very high temperatures for a prolonged period of time. It withstands indoor as well as outdoor temperature from ambient to 650 °C (1200 °F). It provides excellent protection to underlying substrates and is suitable for use on chimneys' mufflers, furnace doors, heat exchangers, rotary kilns, inside of ovens, etc.

PRODUCT COMPOSITION

Berger Super Heat Resistant *S/Specific Aluminium Finish is composed of special silicone resin medium incorporated with Aluminium Flakes and special additives which impart it excellent adhesion, opacity and heat resistance.

TECHNICAL INFORMATION

Type of Product	Single Pack
Priming Coat	None/Zinc Dust Graphite Heat Resistant Paint
Viscosity	50~60 KU @ 25 °C
Gloss	Matt~Low Sheen
Color	Bright Silver
Flash Point	>23 °C
Volume Solids	40 ± 2%
Heat Resistance	From Ambient Temperature to 650 °C (1200 °F)

APPLICATION INFORMATION

Pretreatment	None
Application Method	Brush
Application Viscosity	As Desired According to Environment Temperature
Solvent / Cleaner	Stoving Thinner T-1
Covering Capacity	Theoretical: 16~18m ² /Litre @20 µm (Assuming no loss)
Number of Coats	Minimum 2~3 Coats are Recommended
Inter-Coat Time	16 Hours Minimum
Baking Condition	250 °C @ 1 Hour
Dry Film Thickness	15-20 µm
Wet Film Thickness	38 µm-50 µm
Gloss	Matt~Low Sheen
Pot Life	Use within 2 Hours of Mixing to Avoid Hard Settlement
Airless Spray Specifications	Tip Size 0.33~0.43 mm (0.13~0.17 Inch). Pressure 110~150 Kg/cm ²

SURFACE PREPARATION

- Surface must be free from dust, dirt, oil, grease, rust and any loose, flaking matter.
- Blast cleaning standard is BS-4232 Grade 2 or Swedish Standard Sa 2.5.
- If this is not applicable, make full use of mechanical tools along with wire brushing, chipping, scrapping to remove all the mill scale, rust, loose flaking material and scale back to a firm edge.

STORAGE AND HANDLING PRECAUTIONS

- Keep away from heat and spark sources.
- Keep under shed, away from direct sunlight.
- Keep the containers closed in storage.
- Never breath the dust, mist, gas, and vapors from the container.
- Use the paint in ventilation.
- Store below 35 °C for best performance.
- Mix the medium and Zinc Dust only in desired quantity which can be used within 2 hours.
- If alternate heating and cooling is involved, it is recommended to apply "Two Thin Coats". Avoid coating the heavy thickness of product in such cases.
- As long as container is firmly sealed and stored under recommended storage conditions, product can be used within 6 months of manufacturing date.

FIRST AID

In Case of Eye Splashes

- Wash with plenty of flowing cold water.
- Immediately consult the physician.

In Case of Inhalation (If the person feels dizziness or unconsciousness)

- Remove the person to open fresh air area.
- Provide artificial breathing if needed.
- Consult a doctor.

In Case of Ingestion

- Drink plenty of water or milk.
- Do not induce vomiting.
- Consult a doctor.

In Case of Skin Contact (If Irritation is felt)

- Wash with plenty of water and soap.
- Consult a doctor if irritation continues.

SPILLAGE HANDLING

- Do not wipe the place with solvent.
- Use wood sawdust and sand and thoroughly spread on the spilled paint.
- Gather the mixture, store in some waste drum and dispose off according to local environment regulations.
- Never throw out the paint in open garbage areas where fire is a norm.

SAFETY AND PRECAUTIONS

- Avoid prolonged and repeated contact with skin.
- Avoid prolonged inhalation.
- Never try to ingest the product.
- Always use safety items like goggles, mask, gloves, and apron for personal safety.
- Do not use the product in congested or poor ventilated areas.

The information contained here is in our best knowledge, true & accurate.
No guarantee of result implied, however, since conditions of use are beyond our control.
DFT may vary when multiple coats applied by roller/brush/spray gun.
The above-mentioned parameters will be achieved subject to the proper preparation of surface.
Losses may be added depending upon type of surface and means of application.