

Heat Resisting Aluminum 500°F-600°F

Description

Happilac Heat Resisting Aluminum paint is directly applied on all steel structures exposed to continuous temperature up to 600° F. It is based on modified silicon resin pigmented with selected Aluminum Flakes to provide excellent protection to underlying surfaces without compromising on decorative aspects.

Recommended For

Happilac Heat Resisting Aluminum paint is suitable for use on chimneys, furnace door, heat exchanger, rotary kiln, hot piping and other steel structures exposed to high temperature.

Features

- Excellent protection and stability
- High tolerance up to 500-600°F
- Modified silicon resin
- Specialty additives and pigments
- High coverage
- Ready to use and easy handling

Limitations

- Drying time may vary depending on weather and drying conditions.
- Performance may limit after 600°F.

| Product Information | |
|---|--|
| <p>Composition: Modified silicon resin, aluminum pastes and high quality additives.</p> | <p><u>Binder type</u> Modified Silicon Resin</p> <p><u>Pigment type</u> Aluminum Flakes</p> <p><u>Volume solids</u> 40±2 %</p> <p><u>Weight solids</u> 60±2 %</p> <p><u>Specific gravity</u> 1.03±0.02</p> <p><u>Odor</u> Slight odor</p> |
| <p>Certifications: VOC compliant in all regulated areas. OHSAS : 18001 ISO : 14001 ISO : 9001</p> | <p><u>Viscosity (@ Ford Cup F4)</u> 5-10 Sec</p> <p><u>Flash point</u> 23°C</p> <p><u>PH</u> Not applicable</p> <p><u>Application</u> Brush, Roller, Spray</p> <p><u>Finish</u> Bright Silver Glossy</p> <p><u>Thinner</u> Happilac Thinner</p> |
| <p>Technical Help: Happilac Paints technical department is always available to assist you in the correct use of our products.</p> | <p><u>Thinning</u> As per requirement, max 25%</p> <p><u>Dries by</u> Evaporation, Oxidation</p> <p><u>Surface dry</u> 2-3 hours</p> <p><u>Hard dry</u> 24 hours</p> <p><u>Recoat</u> 7-8 hours</p> |
| <p>Storage: The product must be stored in cool, dry and well ventilated place away from source of heat and ignition. Keep the container closed and upright and handle with care.</p> | <p><u>Drying and recoat times are temperature, humidity and film thickness dependent</u></p> <p><u>Coverage</u> 8-10m²/liter/coat</p> <p><u>Film thickness</u> 25-30 microns per coat</p> <p><u>Packing</u> 4 ltr</p> <p><u>Storage temperature</u> 4-30 °C</p> |

Surface Preparation and Application

Appropriate and good surface preparation significantly increases the top coat life and durability. Deploy skilled/experienced individuals for the application of paint. A few general instructions are given below:

New or Bare Surfaces

Surface to be painted must be dry, clean and free from all contamination. Remove dirt, grease and waxy material. Scuff with suitable sand paper, dust off and apply a coat of Happilac Zinc Chromate on metal surfaces to prevent from rusting. Ensure proper drying and apply 2 coats of Happilac High Heat Resisting Aluminum Paint.

Previously Painted Surfaces

Scrape off all the loosely adherent paint from the surface with an appropriate abrasive paper. Properly clean the substrate, dust off and apply a coat of Happilac Zinc Chromate on metal surfaces to prevent from rusting. Ensure proper drying and apply 2 coats of Happilac High Heat Resisting Aluminum Paint.

Health and Safety Notes

- When applying paint, wear appropriate eye protection.
- In case of eye contact with product, rinse with plenty of water for at least 10 minutes.
- Don't breathe spray mist or dust.
- Ensure proper ventilation when applying paint.
- If swallowed, it may cause serious damage.
- When empty, don't use its container for edible storage.
- Place out of reach of the children.
- Pregnant women are advised to avoid breathing of paint mist or spray.
- In case of any emergency, undergo medical supervision as soon as possible.

WARNING: Scraping/sanding off previously painted surfaces may release lead dust or fumes. Lead is highly toxic; take protective measures thoroughly when rubbing off the old surfaces.