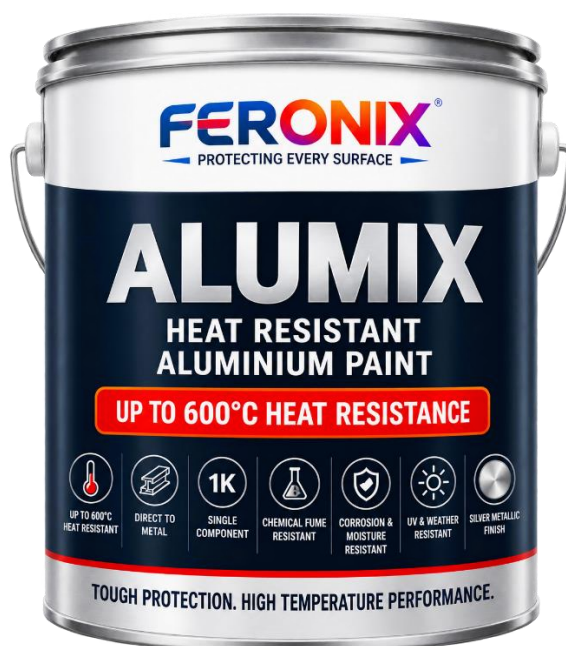


TECHNICAL DATA SHEET

FERONIX ALUMIX

HEAT RESISTANT ALUMINIUM PAINT



SINGLE COMPONENT **DIRECT TO METAL**

UP TO 600°C

HIGH TEMPERATURE METAL PROTECTION

A ready-to-use, silicone-modified heat-resistant aluminium coating with ultrafine aluminium pigment, designed for industrial metal surfaces exposed to elevated temperatures.

FERONIX ALUMIX (HEAT RESISTANT ALUMINIUM PAINT)

PRODUCT OVERVIEW:

FERONIX ALUMIX is a single-component, ready-to-use heat-resistant aluminium paint formulated with a silicone-modified polymer and ultrafine aluminium pigment. It is designed for direct application on prepared metal surfaces and for continuous high-temperature service up to 600°C.

PRODUCT DESCRIPTION:

FERONIX ALUMIX provides a metallic aluminium finish for industrial equipment and metal structures exposed to elevated temperatures. The coating is designed to provide heat resistance, adhesion after curing heat, and resistance to water, weather, moisture and UV exposure.

KEY BENEFITS:

- Single-component, ready-to-use formulation.
- Direct-to-metal application; no separate primer required.
- Continuous temperature resistance up to 600°C.
- Silicone-modified polymer with ultrafine aluminium pigment.
- Additional flame-retardant properties.
- Excellent water, weather, moisture and UV resistance.
- Excellent adhesion after curing heat.
- Suitable for industrial and automotive high-temperature applications.

RECOMMENDED APPLICATION:

Industrial Boilers	Furnaces	Chimneys	Exhaust Systems	Heat Exchangers
Industrial Pipelines	Storage Tanks	Duct Collectors	Mufflers	Manifolds
Heater Baffles	Automotive Silencers	Manufacturing Equipment	Heated Metal Structures	

TECHNICAL DATA SHEET

Parameter	Specification
Colour	Silver Metallic Aluminum
Coverage	08–10 Sq. Mtr. area per liter, single coat
Dry Film Thickness (DFT)	25–40 µm microns per coat
Viscosity at 27°C	35 ± 5 seconds
Drying Time (air dry)	Touch Dry: 10 minutes; Hard Dry: 06 hours; Full Cure: 24 hours
Flammability	Flammable
Finish	Metallic aluminium finish
Adhesion (cross hatch method)	Excellent after curing heat
Flexibility	Passes 0T bend test
Dry Heat Resistance	Excellent after curing heat, up to 600°C
Chemical Fumes Resistance	Excellent without cracking or chipping of protective film
Salt Spray Test (ASTM B117)	Passes the test; 300 hours after curing heat, 02-coat application
Application Method	Brush, roller, spray or dipping
Recommended Coats	02 coats for better result
Surface Preparation	Clean surface well using wire brush
Packing & Storage	20 Liters in printed mild steel drum

APPLICATION PROCESS

STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5
Surface Cleaning	Rust & Loose Scale Removal	Feronix Alumix	Heat Curing	Long-Term Protection

AVAILABLE PACK SIZE

FERONIX ALUMIX is available in: 20 Litres (printed mild steel drum).

STORAGE, SAFETY & PRECAUTIONS

STORAGE CONDITIONS

Store FERONIX ALUMIX in its original, tightly sealed container in a cool, dry, and well-ventilated area. Protect the product from direct sunlight, excessive heat, moisture and ignition sources.

RECOMMENDED STORAGE

Parameter	Recommendation
Storage Temperature	5°C to 35°C
Storage Area	Cool, Dry & Well Ventilated
Container Condition	Keep Tightly Closed
Sunlight Exposure	Avoid Direct Sunlight
Moisture	Protect from Water & Humidity
Shelf Life	Refer Product Label

HEALTH & SAFETY PRECAUTIONS

- Read the Safety Data Sheet (SDS/MSDS) before handling the product.
- Operators should wear appropriate protective equipment during application.
- Safety Gloves
- Safety Goggles
- Protective Clothing
- Organic Vapour Respirator (where ventilation is inadequate)
- Safety Shoes

SAFE HANDLING PRACTICES

- Use only in well-ventilated areas.
- Avoid inhalation of vapours or spray mist.
- Avoid contact with eyes, skin, and clothing.
- Do not eat, drink, or smoke while handling the product.
- Wash hands thoroughly after use.
- Keep containers tightly closed when not in use.
- Keep away from ignition sources, sparks, and open flames.

FIRST AID MEASURES

Eye Contact: Immediately rinse with clean water for at least 15 minutes. Seek medical attention if irritation persists.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing before reuse.

Inhalation: Move the person to fresh air. If breathing difficulties continue, obtain medical attention.

Ingestion: Do not induce vomiting unless directed by medical personnel. Seek immediate medical attention.

FIRE FIGHTING MEASURES

- Dry Chemical Powder
- Carbon Dioxide (CO₂)
- Foam
- Water Spray (for cooling surrounding containers only)

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus where necessary.

DISPOSAL

Dispose of unused product, empty containers, and contaminated materials in accordance with applicable local environmental regulations. Do not discharge paint into drains, watercourses, or soil.

DISCLAIMER

The information contained in this Technical Data Sheet is based on the referenced product information, product development data, and practical application considerations available at the time of preparation. Actual product performance may vary depending on substrate condition, surface preparation, application method, environmental conditions, curing conditions, maintenance practices, and service environment.

Users are responsible for determining the suitability of the product for their intended application and should carry out representative trials where necessary. FERONIX SURFACE SOLUTIONS reserves the right to revise product specifications and this Technical Data Sheet without prior notice as part of its ongoing product development program.