

TECHNICAL DATA SHEET

FERONIX CERAMAX CERAMIX METAL PRIMER



HIGH-BUILD

ANTI FLASH RUST

ACID AND ALKALI RESISTANT

NANO-CERAMIC PIGMENT TECHNOLOGY

A high-build, single-component ceramic metal primer based on silicone-modified polymer and nano-ceramic pigments, designed for strong adhesion, flash-rust inhibition and corrosion protection before compatible topcoat application.

FERONIX CERAMAX (CERAMAX METAL PRIMER)

PRODUCT OVERVIEW:

FERONIX CERAMAX is a high-build, single-component, ready-to-use ceramic metal primer developed for industrial metal surfaces requiring excellent adhesion and long-term corrosion protection before topcoat application. The formulation is based on silicone-modified polymer and nano-ceramic pigments and is designed to provide single-coat rust-inhibiting protection while strengthening the bond between the primer and metal substrate.

PRODUCT DESCRIPTION:

FERONIX CERAMAX is formulated for demanding industrial environments where metal surfaces may be exposed to moisture, chemicals, salt-water and corrosive conditions. Its anti-flash-rust characteristics help protect prepared steel between surface preparation and subsequent coating, while the high-build film provides a smooth, even surface for compatible topcoat application.

KEY BENEFITS:

- High-build ceramic metal primer based on silicone-modified polymer and nano-ceramic pigments.
- Excellent adhesion on steel with a smooth, even surface for topcoat application.
- Acid and alkali fume resistant for demanding industrial environments.
- Fast-drying and fast-curing single-component formulation.
- Suitable for moisture and salt-water exposure.
- Single-coat rust-inhibiting primer designed to help prevent flash rust.
- Designed for long-lasting protection before compatible topcoat application.

RECOMMENDED APPLICATION:

Steel Structure	Industrial Machinery	Chemical Processing Equipment	Engineering Components
Industrial Pipelines	Fabricated Metal Components	Storage Tanks	

TECHNICAL DATA SHEET

Parameter	Specification
Colour	Grey & Brown
Coverage	07–08 Sq. Mtr. area per liter
Dry Film Thickness (DFT)	50–60 µm microns per coat
Viscosity	95 ± 5 seconds
Drying Time (air dry)	Touch Dry: 15 minutes; Hard Dry: 03 hours; Full Cure: 12 hours
Flammability	Flammable
Finish	Tough, glossy and smooth finish up to 60+ @ 30°
Adhesion (cross hatch method)	Excellent; Pass 100%
Flexibility	Passes 0T bend test
Scratch	1000 gms more in single-coat application
Water / Moisture Resistance	Excellent; water-proof without early gloss / colour retention
Acid / Alkali Fumes Resistance	Excellent; without cracking or chipping of protective film
Salt Spray Test (ASTM B117)	Passes the test; 300 hours more in 01-coat application
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 Ceramax	Compatible Topcoat	Long-Term Protection

AVAILABLE PACK SIZE

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

STORAGE, SAFETY & PRECAUTIONS

STORAGE CONDITIONS

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

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 affected 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 primer into drains, watercourses, or soil.

DISCLAIMER

The information contained in this Technical Data Sheet is based on laboratory evaluations, product development data, and practical application experience available at the time of publication. Actual product performance may vary depending on substrate condition, surface preparation, application method, environmental 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.