

TECHNICAL DATA SHEET

FERONIX CORROX

PREMIUM RUST PROTECTION PAINT

SI-PU DIRECT TO METAL



SI-PU DTM

HYDROPHOBIC

UV RESISTANT

SUPERIOR ADHESION

DIRECT TO METAL

WEATHER RESISTANCE

INDIA'S RUST PROTECTION BRAND

PRODUCT: FERONIX CORROX (RUST PROTECTION PAINT)**PRODUCT OVERVIEW:**

FERONIX CORROX is a Single Component **SI-PU Direct-to-Metal (DTM) Anti-Corrosive Protective Paint** designed to provide corrosion protection and decorative finishing for ferrous metal surfaces. It combines **primer and topcoat functionality in a single coating system**, enabling direct application on properly prepared steel and iron substrates.

The coating forms a durable protective film that helps reduce the effects of moisture, oxygen, and environmental exposure, thereby supporting long-term protection of metal surfaces in residential, commercial, and industrial applications.

FERONIX CORROX is suitable for use on new steel as well as maintenance painting projects where appropriate surface preparation has been carried out.

PRODUCT DESCRIPTION:

FERONIX CORROX is engineered using Silicone-Modified Polyurethane (SI-PU) Direct-to-Metal (DTM) technology, offering a balance of corrosion protection, adhesion, weather resistance, and decorative appearance.

The coating is designed to adhere directly to suitably prepared metal surfaces, simplifying the coating process by reducing the need for multiple coating layers in many applications.

FERONIX CORROX is intended for use on steel and iron components that are exposed to outdoor weathering, humidity, and general industrial environments. When applied according to the recommended surface preparation and application procedures, it provides a durable protective finish suitable for a wide range of fabricated metal products.

RECOMMENDED APPLICATION:

Mild Steel	Structural Steel	Carbon Steel	Metal Structures	Railings
Iron Gates	Fabricated Steel Components	Steel Fabrications	Windows	Bridges
Cooler	Tanks	RCC	Pipelines	Transmission

High-Performance Strong Acid, Alkali Fumes, Weather, Salt-water & Corrosion Resistant DTM Paint

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Colour	All colours available as per RAL shades
Flammability	Flammable
Viscosity @270C	90±5 seconds
Dry Film Thickness (DFT)	50-60 um microns DFT in 01 coat (100-120 in 02 coats)
Drying Time (air dry)	Touch Dry 10 minutes, hard dry-06 hours, cure 24 hours
Finish	Tough, glossy and smooth finish up-to 60+ @ 30°
Water, Moisture Resistant	Excellent (water-proof with hydrophobic nature)
Chemical Fumes Resistant	Excellent (without cracking or chipping of protective film)
U/v, Weather Resistant	Excellent (without early gloss colour/shade retention)
Dry Heat Resistant (Up-to 2000C)	Excellent (without compromise adhesion & colour retention)
Adhesion (by cross hatch method)	Excellent (without degrading or losing coating properties)
Flexibility	Excellent Passes OT bend test
Scratch & Abrasion Resistant	Excellent 1000 gms more (in single coat application)
Salt Spray test (ASTM B117)	Passes the test (500 hours more in 02 coats application)
Hydrochloric Acid Immersion Test	No flaking of adhesion at 30% HCL solution for 48 hours.

APPLICATION PROCESS

STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5
Surface Cleaning	Rust Removal	Primer (if required)	Feronix Corrox	Long Term Protection

Available Pack Sizes

FERONIX CORROX is available in:

- 500 ml
- 1 Litre
- 20 Litres

STORAGE, SAFETY & PRECAUTIONS

STORAGE CONDITIONS

Store FERONIX CORROX 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.
- Personal Protective Equipment (PPE)
- Operators should wear appropriate protective equipment during application, including:
- 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

Suitable extinguishing media include:

- 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 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.