

TECHNICAL DATA SHEET

FERONIX RUSTCON RUST CONVERTOR CHEMICAL



TANNIC-ACID BASED

WATER BASED

SINGLE-COMPONENT

NON-FLAMMABLE

CONVERT RUST • CREATE A STABLE PROTECTIVE BASE

A ready-to-use, water-based tannic-acid rust converter for heavily rusted metal surfaces. It chemically converts iron oxide into a stable iron-tannate protective coating where grinding or sandblasting is impractical or expensive.

FERONIX RUSTCON (RUST CONVERTER CHEMICAL)

PRODUCT OVERVIEW:

FERONIX RUSTCON is a single-component, ready-to-use, water-based tannic-acid rust converter designed for heavily rusted metal surfaces. It chemically transforms iron oxide into a stable iron-tannate protective coating, providing a surface-treatment solution where grinding, blasting or extensive mechanical rust removal is impractical or expensive.

PRODUCT DESCRIPTION:

FERONIX RUSTCON is intended for marine, automotive and industrial corrosion-control applications, including heavily corroded machinery, automotive chassis, storage tanks, structural steel, industrial pipelines, agricultural equipment and other rusted metal surfaces. The treated surface provides a stable base for subsequent painting or protective coating.

KEY BENEFITS:

- Tannic-acid based rust converter for heavily rusted metal.
- Chemically converts iron oxide into a stable iron-tannate coating.
- Useful where sandblasting or extensive mechanical rust removal is impractical or expensive.
- 02–03 years protection in highly corrosive areas after painting, as stated by the reference.
- 05–06 months protection without paint, as stated by the reference.
- Water-based and non-flammable.
- Suitable for marine, automotive and industrial applications.

RECOMMENDED APPLICATIONS:

- Marine Structures
- Automotive Chassis
- Heavily Rusted Machinery
- Storage Tanks
- Structural Steel
- Industrial Pipelines
- Agricultural Equipment
- General Rusted Metal Surfaces

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Parameter	Specification
Colour	Black
Coverage	10–12 Sq. Mtr. per liter
Viscosity	25 ± 2 seconds
Drying Time	Touch Dry 60 Minutes; Hard Dry 12 Hours
Finish	Dark black coating after application
Coating Thickness	Below 10 µm DFT, depending upon rust
Flexibility	Passes 0T bend test
Scratch Resistance	Excellent
Adhesion (cross hatch)	100% passed
Water / Chemical Resistance	Excellent after 48 hours
UV / Weather Resistance	Excellent without cracking of protective film
Flammability	Non-flammable
Application	Normal brush, roller & spray
Recommended Coat	01 coat; 2nd coat where required
Surface Preparation	Remove heavy/loose rust scale & dust using wire brush
Shelf Life	12 months in airtight container
Packing	05 & 20 Liters in Plastic Can/Drum

APPLICATION PROCESS

STAGE 1	STAGE 2	STAGE 3	STAGE 4	STAGE 5
REMOVE LOOSE RUST	CLEAN & DRY	APPLY RUSTCON	CURE	TOPCOAT

APPLICATION EQUIPMENT

Apply by normal brush, roller or spray.

PACK SIZES

05 Liters and 20 Liters in Plastic Can/Drum.

STORAGE, SAFETY & PRECAUTIONS

STORAGE CONDITIONS

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

HEALTH & SAFETY

- Read SDS/MSDS before handling.
- Wear chemical-resistant gloves and safety goggles.
- Use protective clothing and suitable footwear.
- Use adequate ventilation.
- Avoid eye and prolonged skin contact.
- Avoid inhaling spray mist.
- Keep containers tightly closed.
- Do not mix with other chemicals unless approved.

SAFE SURFACE PREPARATION

- Remove heavy and loose rust scale and dust with a wire brush.
- Ensure the substrate is reasonably clean and dry before treatment.
- Do not apply over loose, unstable rust or contamination.
- Follow site chemical-handling procedures.

STORAGE REFERENCE

Shelf life: 12 months in an airtight container. Packing: 05 & 20 Liters in Plastic Can/Drum.

FIRST AID MEASURES

Eyes: Rinse cautiously with clean water for at least 15 minutes; seek medical attention if irritation persists.

Skin: Wash thoroughly with soap and water; remove contaminated clothing.

Inhalation: Move to fresh air; obtain medical attention if discomfort continues.

Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel; seek medical attention.

FIRE FIGHTING MEASURES

FERONIX RUSTCON is specified as non-flammable. For surrounding fires, use an extinguishing medium appropriate to the surrounding material and follow site emergency procedures.

DISPOSAL

Dispose of unused product, containers and contaminated materials according to applicable local environmental regulations. Do not discharge 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.