RUST REMOVER FE 10

> converts rust into iron
> on phosphoric acid base
> optimum efficiency

Product description

Rust remover on phosphoric acid base Is characterised not just by its optimum and quick effectiveness and good wetting, but through the use of special inhibitors it also ensures that only the rust and not the bare metal is dissolved. Just like rust, lime and cement residues as well as scale are also dissolved.
Derusting of iron, especially in difficult to access places and on small parts. The rust remover is suitable for the etching of freshly galvanised surfaces. Rapid effectiveness, does not affect bare iron, passivates the surface.

Delivery format

Container	Outer packaging	Pallet
1 L / KFL	8	360 KFL

Storage
Can be stored frost-free, cool, and dry on wooden shelves in the unopened original container for 1095 days

Processing

Processing
Saturate with Rust Remover FE 10 and keep moist until the rust is dissolved, or immerse the workpiece in Rust Remover. The time required for immersion is approx. 1/2 hour for rust films, light rust approx. 1 hour, heavy rust approx. 3-4 hours.
Allow Rust Remover to work until a white-grey phosphate layer is created on the whole surface. Then wash with clean water or nitro thinner and let it dry well. Then prime with rust protection materials.

Technical data

Density	1,15 g/cm³
pH value	1,7
Colour	colourless
Active material	Phosphoric acid

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Substrate

Suitable substrates
The substrate must be dry, frost-free, solid, weight-bearing, dimensionally stable, free of dust, dirt, oil, grease, release agents and loose parts, and it must comply with the applicable technical national and European directives, standards and "generally accepted rules of the trade".

Rust and loose paint residues on metallic substrates are properly removed before application.

Loose paint residues on wooden substrates are removed mechanically. Greyed and weathered wooden surfaces are pre-treated down to the weight-bearing wooden substrate.

Product and processing instructions

Material information:
- If processing outside the ideal temperature and/or humidity range the material properties could change markedly.
- Bring the materials to the proper temperature before processing!
- In order to maintain the product properties, do not add any foreign materials!
- Water dosing quantities or dilution information must be strictly adhered to!
- Check tinted products for colour accuracy before application!
- Colour consistency can only be guaranteed within the same batch.
- The colour formation is significantly impacted by the environmental conditions.

Environmental information:
- Do not process at temperatures below +5 °C!
- The ideal temperature range for the material, substrate and air is + 15 °C to + 25 °C.
- The ideal relative humidity range is 40% to 60%.
- Increased air humidity and/or lower temperatures may prolong the drying, setting and hardening time, while lower air humidity and/or higher temperatures will speed it up.
- Ensure adequate ventilation during the drying, reaction and hardening phase; avoid draughts!
- Protect against direct sunlight, wind and weather!
- Protect adjacent components!

Tips:
- We recommend using a test surface first or a small area for initial, small-scale testing.
- Please heed the product data sheets of all MUREXIN products used in the process.
- Keep a genuine original container of the respective batch for later repair work.

The information provided reflects average values that were obtained under laboratory conditions. Due to the use of natural raw materials, the indicated values of individual deliveries may vary slightly without impacting the product suitability.

Safety instructions

Limiting and monitoring exposure
Personal protective equipment:
General protection and hygiene measures:
- Do not eat, drink, smoke or sniff while working.
- Common safety measures for handling chemicals are to be observed.
- Keep away from foodstuffs, beverages and feedstuffs.
- Take off contaminated, impregnated clothing immediately.
- Wash your hands before taking breaks and when finishing work.
- Do not inhale gases/vapours/aerosols.
- Avoid contact with the eyes and skin.

Breathing protection: breathing protection is recommended.
Hand protection: gloves - acid-resistant.
Glove material
- Nitrile rubber
- Butyl rubber

Penetration time of the glove material
- The precise penetration time is to be found out from the protective glove manufacturer and complied with.

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Eye protection: tightly sealed protective goggles.
Body protection:
- acid-resistant protective clothing.
- Protective clothing.

This leaflet is based on extensive experience, is intended to convey the best of our knowledge, is not legally binding and does neither constitute a contractual legal relationship nor a subsidiary obligation resulting from the bill of sale. The quality of our materials is guaranteed within the framework of our general terms and conditions. Our products may be used by professionals and/or experienced and accordingly technically skilled persons only. Users are not released from inquiring in case of uncertainties or from rendering professional workmanship. We recommend using a test surface first or a small area for initial, small-scale testing. Naturally, it is not possible to describe or foresee all possible current and future uses and peculiarities. Information that is assumed to be familiar to experts has been omitted.
Please observe the current, technical, national and European standards, guidelines and data sheets regarding materials, substrates and the subsequent construction. Please contact us if you have any reservations or doubt.
This version is rendered invalid if a new version is released. The most recent data sheets, safety data sheets and the terms and conditions are available online at www.murexin.com.

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