



Product Description Sheet

The information in this document is for reference only.

For specific application queries please contact us.

Maintenance & Repair Operations

Fertan® Rust converter and remover

US patent 4,293,349, Euro patent 87113303.9, German patent 387259-6-08.

PRODUCT DESCRIPTION

Fertan® Rust converter is brown aromatic liquid (sg 1.18) that is applied to metal to remove rust, protect the surface and act as a primer for any finish coat.

TYPICAL APPLICATIONS

All steel and iron including:

- Ship maintenance.
- Cranes.
- Fencing, railing, gratings.
- Trucks, trailers, cars.
- Storage tanks, pipe-work.
- Bridges.
- Structural steel.
- Agricultural equipment.
- inter-machining coat.

TYPICAL PROPERTIES OF UNCURED MATERIAL

Appearance: Glossy brown

Odour: Aromatic

Specific Gravity: 1.18

Viscosity: water like

Flash Point: None

Coverage: 1 litre - 12 sq. metre

AGING

Shelf life in excess of 15 years when closed.

TYPICAL ENVIRONMENTAL RESISTANCE

Fertan® Rust Converter is designed to be the best converter and remover of rust to provide a surface suitable for overcoating. Depending on the environment Fertan® will provide resistance to further rust for up to 6 months without painting (environment dependent).

APPLICATION AND USE

Surface Preparation

Old Steel:

Loose rust and scale should be removed. Firmly bonded rust is welcome.

Fat, oil, silicon and dirt should be removed.

Loose rust, mill scale and oil paint may be removed by any appropriate method (manual or power wirebrushing, chipping, ehpwj, peening) followed by rinsing with water to remove residues.

Fat etc. may be removed by detergent or degreaser and the surface should be rinsed.

Rust Conversion Time and Surface change:

One coat of Fertan® Rust converter is recommended. The metal surface should be damp prior to application.

Over a period of 12 hours the rust on the surface will become black.

Directions for Use

1. Remove loose rust and grease as described above.
2. Dampen metal surface
3. Mixing is not required as Fertan® does not suffer from sedimentation.
4. If applying by brush or sponge pour Fertan® into a suitable clean container.
5. Use of gloves is recommended.
6. Apply liberally by brush or sponge or airless spray
7. All rusted areas will turn black over the next 12 - 24 hours (moisture & temp dependent).
8. In dry conditions the surface should be dampened with a light water mist after an hour to maximise effectiveness
9. If any rust has not converted apply more Fertan® at any time.
10. The reaction continues for 36 hours. This provides the maximum performance.
Important. Wipe down or wash surface with low pressure water to remove the loose black dust that will be present. This is rust too loose to bond.
11. When the surface is dry paint/coat as normal.
12. Brushes, sponges and spray equipment should be cleaned with water, preferably within a few hours.

Hints and Precautions for Use

Loose rust and scale should be removed. Firmly bonded rust is welcome.

Loose rust, mill scale and oil paint may be removed by any appropriate method (manual or power wirebrushing, chipping, ehpwj, peening) followed by rinsing with water to remove residues.

Fat, oil, silicon and dirt should be removed by detergent or degreaser and the surface should be rinsed.

The metal surface should be damp before application and, on hot dry days, should be dampened again after an hour

Application Conditions

Fertan® Rust Converter should be applied when the air and surface temperature is above 1°C and below 30°C. The reaction will continue for up to 48 hours at lower temperatures. In high temperatures and low humidity ensure the surface stays damp.

Fertan® may be applied in fog, mist or light rain.

Equipment and methods

Fertan® may be applied by brush, sponge, roller or spray. Spray application is recommended for large areas. Airless spray equipment is fast and provides more effective conversion due to improved surface penetration. Conventional air-spray equipment may be used.

Fertan® may be thinned with 5%-10% water to alter spray characteristics.

Cleaning up

Wash brushes and equipment with water. Rinse adjacent painted surfaces with water. Some light coloured paints may take a stain from Fertan so it is easiest to remove it promptly.

Wash hands and skin with soap and water. We do recommend gloves.

Fertan will stain clothing. Prompt washing in large quantities of cold water and mild detergent may remove the marking.

Fertan® spilled into the environment should be washed down with water.

Resistance to Moisture Solvents & Chemicals

Once Fertan® has converted the rust the converted rust is tannated iron that will not rust. If the surface is to be in contact with anything other than the normal atmosphere of air and moisture we recommend that the surface should be overcoated with appropriate paint systems.

Fertan® has always worked well with **all** surfacing products. It is responsible to recommend that a trial area should be tested.

Container Sizes

30ml car scratch repair

250ml handspray, household/restoration

1 litre

5 litre general maintenance

20 litre

50kgs

1000kgs

Storage

Store material in original container. Store between 1°C to 30°C (34° to 90°F). Protect from freezing. When stored under these conditions, a shelf life exceeding 15 years may be expected.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof.