OXIFER GEL

Rust converter

Technical Data Sheet October 2018

PRESENTATION

OXIFER GEL is a dark brown viscous liquid, suitable for converting rust into a self-protective ferrous salt and for phosphatizing the metallic iron against subsequent oxidation.

FEATURES

The surface of unprotected iron tends to change into iron oxide because of the concomitant effects of aggressive agents, humidity, and the oxygen in the air.
Once this oxidation has started, it continues inexorably until it deteriorates the structure. The best action against rust is a preventive protection of the iron by proper treatments.
When this treatment has not been carried out, either for negligence or impossibility, it is necessary to intervene a posteriori.
In this case, **OXIFER GEL** perfectly solves both the problem of the removal of rust and of the protection of the iron until painting; besides, it allows a good delay before the application of the painting.
Thanks to its special composition, **OXIFER GEL** not only converts rust into microcrystals of iron tannate highly resistant to oxidation, but it also the surface of the virgin iron making it resistant to aggressive agents.
The double efficaciousness of **OXIFER GEL** allows delaying all the subsequent treatments. **OXIFER GEL** does not drip and does not require being wet after application.

USE

OXIFER GEL is used for removing rust from any kinds of iron structures, such as: molds, load-bearing structures, reinforcing bars, casings, banisters, gates, coachworks, etc.

TECHNICAL DATA

	Data	Method
State:	Viscous liquid	Visual
Colour:	Dark brown	Visual
Specific gravity:	1,13 ± 0,03 kg/dm^3	IST. 10.06
pH at 20 °C:	1.0 – 2.5	
Solubility in water:	Totally soluble	IST. 10.21
Stability:	Little hazel sediment	

MODE OF USE

To obtain the best results with **OXIFER GEL**, it is advisable to remove the thick scales of rust with proper tools in order to avoid wasting the product. Apply the product with a brush, a roller or by spray, and let it act for 10-12 hours until the color of the treated surface turns to blue-black. Clean the surface with air or water to remove the surplus of black powder before applying any other treatment over the surface.
Shake the bottles and the cans vigorously before using.

YIELD

The consumption depends on the state of the surface and the rust layer. 1 kg of **OXIFER GEL** is normally enough to treat 10 ÷ 15 m^2 of ferrous surface.

STORAGE AND VALIDITY

If it is sheltered in the original containers kept perfectly closed and stored away from the sun and at temperatures between 0 and 40°C, **OXIFER GEL** has a 12 months validity beginning from the date of the delivery.

PRECAUTIONS

OXIFER GEL has a highly acid pH, so it is necessary to handle it carefully.
It is irritating by contact with the skin and eyes, in case of contact rinse plentifully with water. If the irritation does not stop, consult a doctor.
It is easily removable from any surfaces with water and soap. Inhalation can cause a slight irritation of the first part of the respiratory tract. Keep the product out of children's reach and far from foodstuffs. Do not disperse it in the environment.
It is advisable to use rubber gloves while using it. When spraying it on large surfaces, use a mask and goggles.

PACKAGING

1 kg bottle.
5 kg and 25 kg cans.