



Technical sheet:
Fidoil

Codice:
1103

Sigla: ST103
Rev.: 19
Data: 21/10/19

Type of product:

RUST-BLOCKER – Protective for metal.

Packaging

Drums 200 - 25 litres,
Cans 5 - 1 - 0,5 - 0,250 litres

Product characteristic:

The product is a greasy fluid, not very viscous, light amber colored with delicate smell.
It does not contain acid (oxalic, tannic, etc.) like the usual rust converter.

Technical Sheet:

CARACTERISTICS	UM	SPECIFIC VALUE	METHOD	TOLLERANCE
Physical State	Greasy fluid		Visual	//
Color	Yellow/Amber		Visual	//
Density at 20°C	Kg/dm ³	0,886	Met. Int. ISTR. 44	± 0,01
Dry Residue at 120°C	% p/p	46	Met. Int. ISTR. 45	± 2
Viscosity at 20°C in Ford Cup n° 2	second	48	ASTM D 1200	± 2
Gloss (60°C)	G.U.	120	Met. Int. ISTR. 50	Min.

Usage:

Specific for the protection of iron, steel, cor-ten steel, aluminium, copper, cast iron and brass.
It has high soaking characteristic, it englobes perfectly the grain of rust and **BLOCKS THE CORRODING PROCESS**, both on the surface and depth.
It can be applied on iron or not oxidized alloys, as anti-rust or as base coat, or also as additive for synthetic or oil-synthetic paints.

Applications:

- 1) “Lucid” effect and “ancient” effect: if applied on not oxidized alloys, it allows to reach a “lucid iron” effect; if applied on oxidized alloys, it blocks the corroding process of the rust allowing to reach an “ancient iron” effect.
- 2) As anti-rust – base coat: after the application of Fidoil, the blocked rust can be left as it is or over-paint the surface with synthetic or oil-synthetic enamels
- 3) As additive for paint: the resistance to atmospherical agents of the synthetic or oil-synthetic paints can be considerably increased adding Fidoil (view *Recommended Percentages*). The painted surface will provide not only a better resistance to atmospherical agents, to saline fog, to acid rain that attack all the metallic structures, but it will also make it appear bright and homogeneously expanded, like a spray painting. Fidoil is an excellent additive for the micaceous paint.

Conservation:

If product if conserved sealed, it can last for severaò years

Performance:

- Ready to use
- 18-20 m²/l

Action timings:

12-24 hours (it depends on the ambient temperature and umidity).

Duration timing:

Applying Fidoil in the correct way, it protects the item from rust for 5 years, depending on the ambient conditions.

When it is dried, it resists until temperature of 150°C.



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Recommended Percentages:

5% on synthetic or oil-synthetic paint (make attention to do not overcome C.O.V. limits about ready-to-use products)

How to use the product:

- 1) **“Lucid” effect:** polish and degrease the surface, apply uniformly two hands of Fidoil for indoor items and, at least, three hands of Fidoil for outdoor surfaces.
- 2) **“Ancient” effect:** remove the crumbly rust with a palette knife, degrease and apply homogeneously on the oxidized surface two hands of Fidoil for indoor items and, at least, three hands of Fidoil for outdoor ones.
- 3) **As anti-rust – base coat:** remove the crumbly rust and, if it’s necessary, the older paint not perfectly fixed (make sure that the rust does not hide under the painted part left), apply two hands of Fidoil and then one hand of synthetic or oil-synthetic paint.
- 4) **As additive for paint:** dilute the synthetic or oil-synthetic paint with Fidoil (view *Recommended Percentages*), but without overcoming the limits according to the D.Lgs 161/06 related to paints and varnishes ready to use.

SHAKE BEFORE USE

If applied on metal smooth surface, previously sand down the surface to increase the grip of the product.

Always check under the light if the product is applied on all the surface (that should appear uniformly “lucid”), especially if applied on the rust. If it’s necessary, touch up the opaque parts.

Fidoil can be applied using a brush or spraying.

After use, clean up the tools using white spirit or synthetic thinners.

Other info:

1. Recommended thinners to clean up the brushes: White Spirit Silver 603 or Synthetic Thinner 606.
2. Recommended degreaser to prepare the item: Degrease for metal surfaces 3128.
3. Do not use both on walkable surface and on the calamine (a blue composite produced, for example, from millwork process), because Fidoil and every other sort of paint do not fix on them.
4. In case of surface artificially rusted with acid solutions, before applying Fidoil, clean it up generously with water to remove the residual acidity and then dry it off.

The product respect the legislative decree n°161 of 27th March 2006 for the limitation of C.O.V. emissions (volatile organic composites) resulting from use of paints and varnishes.

Product	Limit value of ready-to-use product (g/l) – D.Lgs. n. 161/06	Value contained in the product (g/l)
High-performance single-component paints (solvent-based)	500	470

The information above mentioned is based on our technical knowledge. The company does not assume any responsibility of the final usage of this product as it cannot be controlled by FIDEA.