



Technical Data Sheet:

OV-oil rust converter

Code: 0049	Ref.: ST49	Revision: 10	Date: 14/07/2020
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Product Characteristics:

RUST CONVERTER, protective for iron.
It is a low-viscosity, oily liquid with a light yellow color.
It has a very faint odor.

Formats: Cans 0.5– 1– 5 lt.

Technical Specifications:

Method	Description	Value	Tolerance	U.M.
Visual	Aspect	Oily, liquid	---	---
Visual	Color	Amber-colored	---	---
Met. Int. ISTR. 44	Specific weight at 20°C	0.886	± 0.01	Kg/dm ³
Met. Int. ISTR. 45	Dry Residue at 120°C	46	± 2	% p/p
ASTM D 1200	Viscosity at 20°C in Ford Cup No. 2	48	± 2	seconds
Met. Int. ISTR. 50	Gloss (60°)	120	Min.	G.U.

Applications and Useful Information:

For the protection of iron, steel, cor-ten steel, copper, aluminum, cast iron, and brass artifacts.
The product perfectly encapsulates rust particles, completely blocking oxidative processes.
Applicable to both new and rusted surfaces, providing a glossy and highly transparent effect in both cases.
Exceptional for creating an antique iron effect.
Extremely versatile, as it can be used as an anti-rust primer for overcoating with synthetic or oleo-synthetic enamels, or as a glossy transparent finish.
When added to synthetic and oil-based paints, it enhances their resistance to external agents, brushability, and leveling. Highly effective as an additive for iron oxide paints.

Characteristics:

The product has a yield of 18-20 m²/l
Weather resistance ranges from 1 to 5 years depending on environmental conditions.
It dries in 12 to 24 hours depending on temperature and humidity.
Once dried, it withstands a maximum temperature of 150°C.

How to use:

The surface should be previously degreased with Alpine White Spirit or Syntek, removing crumbly rust parts that are not well attached to the support.

On smooth surfaces it is necessary to sand in advance to increase product adhesion.

As an anti-rust/base coat: apply two coats of the product pure, with a brush or spray.

As a transparent topcoat: apply two/three coats pure, by brush or spray.

As an additive to synthetic or iron oxide paints: add about 5 percent OV-oil, while still respecting the limits of Legislative Decree 161/06 regarding ready-to-use paints and varnishes.

Always check against the light whether the product has been applied over the entire surface (uniform gloss), especially if applied on rust. Touch up dull parts if necessary.

In the case of surfaces artificially rusted with acid solutions, before applying OV-oil, they should be rinsed thoroughly with water to remove residual acidity and then dried.

The product complies with Italian Legislative Decree No. 161 of March 27, 2006 for the limitation of emissions of VOCs (volatile organic compounds) resulting from the use of paints and varnishes.

<i>Product</i>	<i>Limit value of ready-to-use product (g/l) - Legislative Decree No. 161/06</i>	<i>Value contained in the product (g/l)</i>
Single-component high-performance paints (solvent-based)	500	480

The above information is provided based on our theoretical and practical knowledge. The company, however, does not assume any liability as the conditions of use and application are not subject to the control of OV SpA.