

# OWATROL

® REGISTERED TRADEMARK

## OWATROL OIL

- Product:** OWATROL OIL
- Definition** Owatrol oil is a liquid of the long-oil varnish type, low-viscosity, based on alkyd-type resins in solvent dispersion.
- Properties** Colorless anti-rust agent, of high wetting power.  
Drives air and humidity from the support.  
Directly applicable on the rust.  
Forms an insulating and supple protective film.  
Adhesive basis for all types of substrate.  
Straightforward application, without sandblasting or sandpapering.  
Additive for paints, stains, glyptal varnishes and alkyd urethans.  
Gives the paints an anti-rust effect.  
Improves the adhesion of the paint.  
Gives the film greater suppleness.  
Facilitates the application of the paints.
- Destination** Interior - exterior.  
Ferrous and nonferrous metals, plastics, glass, wood etc.  
Undercoat for paints and varnishes.  
Compatible with all varnishes, paints, lacquers and stains that have an air-drying fatty binder (alkyds), anti-corrosion paints, oil-based paints, glyptal paints, single-component urethans, asphalt-based paints, fatty coatings, etc.  
Do not add to fast-drying paints of the "bodywork" type, nor to chlorinated-rubber or two-component paints.
- Characteristics**
- **Presentation** ..... In-depth anti-rust agent - Additive for oil-bodied paints.
  - **Color**..... Pale amber.
  - **Aspect of dry film**.... Transparent matt varnish.
  - **Binder**..... Alkyd-type resins.
  - **Solvent** ..... Solvent.
  - **Viscosity at 18 °C** ... 16" 4/19<sup>th</sup> (Ford cup no. 4).
  - **Point of congealment** Below 50 °C.
  - **Thickness of dry film** 12-15 microns on non-absorbing substrate.
  - **Resistance against temperature** ..... (dry film) Excellent up to +175 °C.
  - **Auto-inflammation temperature** ..... Above +350 °C.
  - **Surface tension** ..... 29 dynes/cm at 18 °C.
  - **Dielectric capacity** .. 17,000 volts at 2 mm thickness.
  - **pH** ..... Around 7. Contains neither acid nor base.
  - **Density at 18 °C**..... Around 0.875 kg/l ± 0.05.

- **Dry extract** ..... Around 45 %.
- **Packagings** ..... Aerosol 300 ml, ½ liter, 1 liter, 5 liters, 20 liters, 60 liters and 200 liters.
- **Storage period** ..... 5 years in original airtight container.
- **Storage conditions**.. Protected from frost and elevated temperatures.
- **Flash point** ..... Above + 64 °C.
- **Safety** ..... Refer to the safety data sheet and the texts on the packaging, conforming to the legislation in force.

**Substrate**

Wood whose utilization, nature, quality, state, treatment and conditioning are in conformity with current standards.

**Recommendation:** Make sure that the substrate is compatible with a product dispersed in solvent.

**Processing**

Observing the conditions and instructions laid down by the manufacturer.

Do not apply at ambient temperatures below + 5 °C or above + 35 °C.

**Application tool**

Brush, roller or spray gun.

**Dilution**

Do not dilute.

**Cleaning the tools**

White Spirit.

**Yield**

Theoretically per layer: 18 m<sup>2</sup>/liter.

In practice the yield will vary according to the type, surface condition and absorptive properties of the support, as well as the mode of application.

**Drying at 20 °C**

Dustfree ..... Around 4-6 hours.

Touch-dry ..... Around 12 hours.

Coverable ..... Around 24 hours.

The drying time is influenced by the ambient temperature and the relative air humidity.

**System of application:**

• **As a rust-protective or adhesive basis on difficult substrates**

☞ New, little oxidized, or mechanically stripped surfaces: Verify that they are dry and free from greasy spots. Imprint a layer of neat OWATROL OIL. After drying check that the surfaces are shiny and uniformly protected.

☞ Previously painted and rusty surfaces: eliminate scales of ancient paint by a steel brush. Check the surfaces for dryness and absence of greasy spots. Imprint a layer of OWATROL OIL. Before drying, eliminate any loose flakes of rust or paint. Touch up locally. After drying, check that the surfaces are shiny. Cover with a layer of a mixture of 25 % OWATROL OIL with 75 % of a paint based on a binder of the oily type (e.g. glyptal).

• **When added to paints**

☞ Always perform a compatibility test.

- ☞ To give a paint an anti-rust effect: prepare a mixture of 25 % OWATROL OIL with 75 % of paint.
- ☞ For adhesion on difficult surfaces: prepare a mixture of 50 parts OWATROL OIL with 50 parts of paint. After drying apply a finish diluted 5 % with OWATROL OIL.
- ☞ To facilitate application of paints as a substitute to diluents add 5 % of OWATROL OIL.

This notice supersedes and replaces any previous notice on the same product. Its purpose is to inform our customers on the properties of our product. The information contained in it is based on our knowledge and is the result of tests conducted in a continuous concern for objectivity. The advice presented, in particular as regards maintenance work, is of indicative value only, and cannot come in the place of a specification appropriate to the nature and the state of the actual substrate to be painted. As techniques continually develop, it is up to our customers, before commencing any application, to check with our service staff whether this notice might have been modified by a more recent edition.

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