79071 Owatrol Oil
79073 Owatrol-Öl Spray

OWATROL-OIL is an air-drying natural oil with very good penetration properties. It is characterized by a high solids content.

Characteristics:
1. to improve the application and flow properties of oil and synthetic resin lacquers as an additive for adjustment in case of less than optimal processing conditions.
2. for impregnating and impregnating wood.
3. for sealing rusty substrates.

Field of application:

Owatrol oil as paint additive:
Owatrol oil is added to synthetic resin or alkyd paints (varnishes and glazes) to adjust the working properties instead of thinner. The paints become easier to paint and run better, even under adverse conditions such as high or very low temperatures and excessive humidity. The "open" working time of the paints and glazes is significantly extended, so that paint marks disappear. The drying time, on the other hand, is not extended in most cases. The uniform film thickness that can be achieved with OWATROL-OIL as an additive results in uniform coverage of the substrate - with the same amount of paint. The chamber-like dark stripes in the varnish (marking with the turpentine substitute diluted varnish) are reliably avoided with Owatrol-OIL as adjustment.
Due to the penetration of the Owatrol-oil component into the (porous) substrate, the paints adhere better overall.
Owatrol oil further increases elasticity and thus significantly reduces the tendency of the paint to crack.
Owatrol oil prevents pinholes in the paint film, but does not change the color tone and gloss of the paint and does not contribute to yellowing of the paint. (Not suitable for white color shades!).
Spraying equipment is subjected to much less stress when processing "oiled" paint. The time interval to the next maintenance coat can be significantly extended with an Owatrol oil additive.
However, it is not suitable to improve low quality paints or to replace a careful substrate preparation.

Owatrol oil for wood protection:
Wood naturally contains lignin as a binder, which keeps the wood structure elastic. If it is washed out over time, tensions arise in the wood which can lead to warping or cracking. OWATROL-OIL penetrates deep into the wood due to its exceptional penetration ability, enclosing the lignin and thus permanently preventing moisture penetration and lignin loss. In practice, this results in significantly reduced waxing and shrinkage of the woods.

Owatrol oil as rust protection:
Rust is formed by electrolytic processes from the encounter of moisture and oxygen on a metallic surface. Owatrol oil penetrates the porous, rusty substrate, displacing air and moisture and trapping the rust (iron oxide or iron hydroxide). The rust becomes the rust inhibiting pigment in the dried Owatrol oil, creating a passivated, coatable substrate.
Intensive penetration makes rust sealing possible even in inaccessible areas.
Not firmly adhering rust particles are detached by Owatrol-oil and can be brushed off (rust removal). On non-rusty substrates Owatrol-oil can be used as an adjusting agent in rust protection coatings.

Owatrol oil for other purposes:
Owatrol oil can be used to refresh faded GRP parts, to impregnate leather and to refurbish dull chrome or aluminum surfaces..

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Product Dates:

Spec. weight:	0.9 g/cm3
Solids content:	approx. 55
Solvents contained:	aliphatic hydrocarbons
Temperature application range:	-20°C to +40°C
Color: transparent;	gold-colored in the container
Shelf life: min.	3 years when stored in closed original container.

Processing:

As a paint adjusting agent Owatrol Oil is used for all paint systems which are conventionally thinned with turpentine substitute. It is not suitable for paints containing strong solvents such as xylene or toluene, as well as for 2-component paints, chlorinated rubber, tar, latex or acrylic and water emulsion paints and not for fast-drying car paints.
In case of uncertainty, a preliminary test will show very quickly whether the paint can be adjusted with Owatrol oil or whether the oil will separate again. Even when Owatrol oil is used, the substrate must be dry, clean and free of grease during all painting operations; open pores support deep penetration and good adhesion of the paint structure. The temperature-independent viscosity of Owatrol Oil also allows painting work at very low temperatures or high humidity. The quantity to be added depends on the requirements during processing, an addition of more than 20% is not advisable. When using Owatrol oil in its pure form, i.e. on porous wood surfaces or rusty substrates, the consumption depends on the absorbency of the substrate. As a rule, wood can be saturated with 150 to 250 ml/m2, rust with 50 to 150 ml/m2.
If another coat of paint, e.g. an alkyd resin varnish, is to be applied after the Owatrol Oil application, the excess material must be removed with a clean cloth approx. 30-60 minutes after the last Owatrol Oil coat. Otherwise, the substrate would be too "soft" for a subsequent paint application.
Ein Entfernen des überschüssigen Materials empfiehlt sich auch, wenn keine weiteren Anstrichsysteme erfolgen. Ansonsten würde eine Oberfläche klebrig bleiben. Nach 6 bis 8 Stunden ist der Anstrich staubstrocken und nach 12 bis 24 Stunden ist er durchgetrocknet und kann überstrichen werden. Owatrol-Öl kann nicht mit 2-komponentigen Anstrichsystemen überarbeitet werden. Durch Zugabe von Owatrol-Öl zu Folgeanstrichen mit Kunstharzlacken oder Ölfarbe kann eine gute Anhaftung auf Owatrol-Öl-behandeltem Untergrund sichergestellt werden.

If Owatrol oil is to be colored, this is possible with alkyd paints at an addition of 25 to 30 % for opaque coloring and at a lower addition for glazing coloring.

Owatrol oil should generally not be processed in direct strong sunlight.

Owatrol oil is not suitable for use in underwater areas.

Tools with which Owatrol oil has been applied can be cleaned with turpentine substitute as long as the oil has not yet dried. Dried Owatrol oil can only be removed with paint remover.

Precautionary measures:

Oil-soaked cloths can self-ignite, so always dry spread out before disposal or collect in sealed metal containers.

The explanations in our information serve the purpose of technical application instruction and have been compiled to the best of our knowledge. However, no liability can be derived from this.

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