



OXID VERNIS

CLEAR METAL VARNISH



PRODUCT DESCRIPTION

OXID VERNIS is a single pack clear varnish, enriched with polyurethane-modified alkyd resins for use on new or oxidised metals that have previously been treated with OWATROL® OIL* and where the natural look of the surface is to be maintained. Combining performance with ease of application, OXID VERNIS is long lasting, has high UV resistance and is especially adapted for harsh climates.

BASIC USES

- Horizontal and vertical surfaces
- New or oxidised surfaces
- Ferrous and Non-ferrous metals.
- Furniture, Gates, Fences, Ornaments, Pergolas... (NOT Floors – see FLOOR VERNIS*).

PROPERTIES

- Decorates, Protects, Weatherproofs – High UV resistance.
- Long lasting – Optimal protection in harsh climates.
- High resistance – Fog, Snow, Rain, Salt water...
- Ideal for highly humid interior environments.
- Expands and contracts with the structure – No peeling.
- Easy application. Washable.
- Maintains the natural appearance of the surface.

FINISH
Matt (interior only), Satin, Gloss

SIZES
0.75L, 2.5L

USAGE
Exterior / Interior

TECHNICAL DATA

Vehicle Type	Polyurethane-modified alkyd resins.
Solvent Type	White Spirit
Specific Gravity	At 20°C (68°F): 0.935 ±0.05.
Viscosity at 20°C (68°F)	250-350 Cp
Solid Content	58% ±3.
Gloss level @ 60°	Gloss >85, Satin 30-50, Matt <15
Flash Point	> 60°C (140°F).
Shelf Life	2 years minimum in original unopened packaging.
VOC	EU limit for this product (cal A/E): 400 g/L (2010). This product contains a maximum of 400 g/L.
Application Tools	Brush, Roller, Spray.
Dilution	Use as is. Do not dilute.
Coverage	18m ² (193ft ²) per litre per coat Actual coverage will vary depending on application method, type, texture, age and porosity of the surface.
Drying Times	At 20°C (68°F) and 50% RH. Touch dry: 5 hours. Recoat: 24 hours. Dry: 24 hours, depending on temperature and humidity.
Clean-up	Clean all tools and equipment with White Spirits while still wet. If allowed to dry, remove with paint stripper.
Storage	Keep from freezing and high temperatures. Store in original container and close lid tightly after use.

GOOD APPLICATION PRACTICE

Cover and protect everything you do not wish to coat.
Apply between 10°C (50°F) and 30°C (86°F).
Do not apply in direct sunlight or to hot surfaces (35°C (95°F)).
Substrate temperature must be between 5°C (41°F) and 35°C (95°F).
Ensure surface is 3°C above dew point.
Ensure room is well ventilated when using inside.

SURFACE PREPARATION

GENERAL DIRECTIONS

Surfaces must be clean, dry and free of all grease, oil, salt and other surface contamination.
Use an appropriate solvent depending on the substrate and contamination e.g. PURATROL™. Acetone to clean the surface and prior to any of the following preparation processes.
Round off any sharp edges to allow better film build.

FERROUS METALS (NEW OR RUSTED)

Remove all traces of mill scale, rust, rust scale and other foreign matter by blasting, grinding or mechanical abrasion.
Remove all blast or manual preparation residue by vacuum cleaner, air blower or stiff clean brush. If required and desired wipe over surface with a cloth soaked in a fast flash off solvent e.g. Acetone (NOT White Spirit) to remove any remaining dust residue. Allow to dry.
Apply an application of OWATROL® OIL™ and allow to dry.

NON-FERROUS METALS (NEW OR OXIDISED)

Sand surface using appropriate grade abrasive or a passivating solution e.g. OWAPHOS™.
For Aluminium surfaces ensure abrasive is compatible.
If required thoroughly dust off and wipe surface with a cloth soaked in a fast flash off solvent e.g. Acetone (NOT White Spirit) to remove any remaining dust residue. Allow to dry.
Apply an application of OWATROL® OIL™ and allow to dry.

GALVANISED/ZINC SURFACES

New Surfaces (12 months and under): Pickle with a phosphoric solution e.g. OWAPHOS™.
Weathered Surfaces (12 months+): Clean with a suitable solvent e.g. Acetone, PURATROL™.
Apply an application of OWATROL® OIL™ and allow to dry.
Note: Depending on the preparation process used some discolouration of the surface may be experienced.

RUSTED SURFACES (TO MAINTAIN THE RUST APPEARANCE)

Remove all loose and flaking rust back to a sound surface and edge by wire brush or scraping.
Thoroughly dust off.
Apply OWATROL® OIL™ to saturation and allow to dry.

PREVIOUSLY COATED SURFACES

Remove all previous coatings by suitable means - blasting, grinding, mechanical abrasion or chemically stripping with DSP 800™ or DILUNETT®™ to restore the surface to its original condition.
If required sand surface with appropriate grade abrasive.
Thoroughly dust off.
Apply an application of OWATROL® OIL™ and allow to dry.
Note: Where the surface is rinsed with water allow to dry 24 to 72 hours before applying OWATROL® OIL™.

APPLICATION

Use as is. Do not thin.
Stir well before and during use.
Apply 1st coat of OXID VERNIS and allow to dry 24 hours.
Sand surface with 280 grit abrasive and thoroughly dust off.
Apply 2nd coat of OXID VERNIS.
Note: Adding OWATROL® OIL™ to OXID VERNIS, makes brushing easier and gives OXID VERNIS even greater flexibility, further reducing the risk of peeling and cracking.

CLEANING

Clean surface regularly with a brush, vacuum cleaner or with fresh water.
For the first 14 days do not clean OXID VERNIS with water.
Do not use aggressive chemical cleaners to remove grease or any other type of dirt that has accumulated on the surface (Contact us).

MAINTENANCE

OXID VERNIS IN GOOD CONDITION:

Sand surface with 280 grit abrasive and thoroughly dust off.
Apply 1st coat OXID VERNIS with 25% OWATROL® OIL™ added.
Allow to dry 24 to 48 hours.
Apply 2nd coat of OXID VERNIS.

OXID VERNIS IN POOR CONDITION:

See "Previously Coated Surfaces" in "Surface Preparation".
Apply OXID VERNIS as directed in "Application" above.

RESTRICTIONS

OXID VERNIS Matt should only be used on interior surfaces (limited UV protection).

SAFETY

Refer to the safety data sheet (SDS) available at www.owatrol.com and the text on the label.
Keep out of the reach of children.

*Sarre Manufacturer. *Refer to the TDS.

This Technical Data sheet cancels and replaces any previous Technical Data sheet for the same product. Its purpose is to inform the user about the product. The information contained within this Technical Data sheet is based on our current knowledge. However, the information contained within this document cannot replace a specification appropriate to the nature and conditions of the substrate to be coated. Due to ongoing technical advances, it is the responsibility of the user to establish that this document has not been superseded by a more recent edition. The information contained within this document is for guidance only and the manufacturer is unable to guarantee or accept responsibility for the results as it has no control over the conditions under which its products are applied.

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