



# OXID VERNIS

## CLEAR METAL VARNISH

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| <b>Description</b>               | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Properties</b>                | <ul style="list-style-type: none"> <li>• Decorates, Protects, Weatherproofs – High UV resistance.</li> <li>• Long lasting – Optimal protection in harsh climates.</li> <li>• High resistance – Fog, Snow, Rain, Salt water...</li> <li>• Ideal for highly humid interior environments.</li> <li>• Expands and contracts with the structure – No peeling.</li> <li>• Easy application. Washable.</li> <li>• Maintains the natural appearance of the substrate.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Basic uses</b>                | <ul style="list-style-type: none"> <li>• Interior and exterior.</li> <li>• Horizontal and vertical.</li> <li>• New or oxidised surfaces.</li> <li>• Ferrous and Non-ferrous metals.</li> <li>• Furniture, Gates, Fences, Ornaments, Pergolas... (NOT Floors – see FLOOR VERNIS*).</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Technical data</b>            | <p><b>Classification:</b> Family 1 - Class 4a (in accordance with NBT 22-003 and NFT 36-005 classifications).</p> <p><b>Finish:</b> Matt (Interior Only), Satin, Gloss.</p> <p><b>Vehicle Type:</b> Polyurethane-modified alkyd resins.</p> <p><b>Solvent Type:</b> White Spirit.</p> <p><b>Viscosity:</b> Semi-fluid liquid.</p> <p><b>Specific Gravity at 20°C (68°F):</b> 0.935 ±0.05.</p> <p><b>Flash point:</b> &gt; 60°C (140°F).</p> <p><b>Solid content:</b> 58% ±3.</p> <p><b>Drying Times (at 20°C (68°F) and 50% RH):</b></p> <ul style="list-style-type: none"> <li>- Touch dry: 5 hours.</li> <li>- Recoat: 24 hours.</li> <li>- Dry: 24 hours, depending on temperature and humidity.</li> </ul> <p><b>Container size:</b> 0.75L, 2.5L.</p> <p><b>Shelf life:</b> 2 years minimum in original, unopened packaging.</p> <p><b>Colour:</b> Clear.</p> <p><b>VOC:</b> EU limit for this product (cat A/e): 400 g/L (2010). This product contains a maximum of 400 g/L.</p> |
| <b>Application tools</b>         | <p>Brush.</p> <p>Roller.</p> <p>Spray.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Good application practice</b> | <p>Cover and protect everything you do not wish to coat.</p> <p>Apply between 10°C (50°F) and 30°C (86°F).</p> <p>Do not apply in direct sunlight or to hot surfaces (35°C+ (95°F+)).</p> <p>Substrate temperature must be between 5°C (41°F) and 35°C (95°F).</p> <p>Ensure surface is 3°C above dew point.</p> <p>Ensure room is well ventilated when using inside.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Surface preparation</b>       | <p><b>GENERAL DIRECTIONS</b></p> <p>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. PURA-TROL*, Acetone to clean the surface and prior to any of the following preparation processes.</p> <p>Round off any sharp edges to allow better film build.</p> <p><b>Ferrous Metals (New or Rusted):</b></p> <p>Remove all traces of mill scale, rust, rust scale and other foreign matter by blasting, grinding or mechanical abrasion.</p> <p>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.</p> <p>Apply an application of OWATROL® OIL* and allow to dry.</p>                                                               |

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| <b>Surface preparation (continued)</b> | <p><b>Non-ferrous Metals (New or Oxidised)</b><br/> Sand surface using appropriate grade abrasive or a passivating solution e.g. OWAPHOS*.<br/> For Aluminium surfaces ensure abrasive is compatible.<br/> 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.<br/> Apply an application of OWATROL® OIL* and allow to dry.</p> <p><b>Galvanised/Zinc Surfaces</b><br/> New Surfaces (12 months and under): Pickle with a phosphoric solution e.g. OWAPHOS*.<br/> Weathered Surfaces (12 months+): Clean with a suitable solvent e.g. Acetone, PURA-TROL*.<br/> Apply an application of OWATROL® OIL* and allow to dry.<br/> <b>Note:</b> Depending on the preparation process used some discolouration of the surface may be experienced.</p> <p><b>Rusted Surfaces (To maintain the rust appearance)</b><br/> Remove all loose and flaking rust back to a sound surface and edge by wire brush or scraping<br/> Thoroughly dust off.<br/> Apply OWATROL® OIL* to saturation and allow to dry.</p> <p><b>Previously Coated Surfaces</b><br/> 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.<br/> If required sand surface with appropriate grade abrasive.<br/> Thoroughly dust off.<br/> Apply an application of OWATROL® OIL* and allow to dry.<br/> <b>Note:</b> Where the surface is rinsed with water allow to dry 24 to 72 hours before applying OWATROL® OIL*.</p> |
| <b>Application</b>                     | <p>Use as is. Do not thin.<br/> Stir well before and during use.<br/> Apply 1<sup>st</sup> coat of OXID VERNIS and allow to dry 24 hours.<br/> Sand surface with 280 grit abrasive and thoroughly dust off.<br/> Apply 2<sup>nd</sup> coat of OXID VERNIS.<br/> <b>Note:</b> Adding OWATROL® OIL* to OXID VERNIS, makes brushing easier and gives OXID VERNIS even greater flexibility, further reducing the risk of peeling and cracking.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cleaning and Maintenance</b>        | <p><b>Cleaning:</b><br/> Clean surface regularly with a brush, vacuum cleaner or with fresh water.<br/> For the first 14 days do not clean OXID VERNIS with water.<br/> Do not use aggressive chemical cleaners to remove grease or any other type of dirt that has accumulated on the surface (Contact us).</p> <p><b>Maintenance</b><br/> <b>OXID VERNIS in good condition:</b><br/> Sand surface with 280 grit abrasive and thoroughly dust off.<br/> Apply 1<sup>st</sup> coat OXID VERNIS with 25% OWATROL® OIL* added.<br/> Allow to dry 24 to 48 hours.<br/> Apply 2<sup>nd</sup> coat of OXID VERNIS.<br/> <b>OXID VERNIS in poor condition</b><br/> See "Previously Coated Surfaces" in "Surface Preparation" above.<br/> Apply OXID VERNIS as directed in "Application" above.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Coverage</b>                        | <p>18m<sup>2</sup> (193ft<sup>2</sup>) per litre per coat.<br/> Actual coverage will vary depending on application method, texture, age and porosity of the surface.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Clean-up</b>                        | <p>Clean all tools and equipment with White Spirits while still wet. If allowed to dry, remove with paint stripper.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>                         | <p>Keep from freezing and high temperatures.<br/> Store in original container and close lid tightly after use.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>General information</b>             | <p>Every care is taken to ensure that the information provided in this technical data sheet is accurate. Owatrol International is unable to guarantee results as we have no control over the conditions under which our products are applied. For further advice and information please contact our technical department by email at <a href="mailto:info@owatrol.com">info@owatrol.com</a> or the local Owatrol Agent for your country.<br/> The information above is correct at the date of issue.<br/> All other OWATROL products named in this document should be used as per label instructions and the Technical Data Sheet.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Safety</b>                          | <p>Refer to the safety data sheet (MSDS) available at <a href="http://www.owatrol.com">www.owatrol.com</a> and text on the packaging. Keep out of the reach of children.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Issue date</b>                      | <p>November 2019</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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\* Same manufacturer

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