



# OWAPHOS

## RUST REMOVER AND PASSIVATER

<b>Description</b>	OWAPHOS is a rust remover and passivater for ferrous and non-ferrous metals as well as galvanised and zinc coated surfaces. Negating the need for sanding, OWAPHOS quickly and effectively, chemically prepares new metal surfaces for painting by creating a fine coat of oxide on the surface that coatings can firmly adhere to. Used diluted OWAPHOS removes rust from ferrous metals and the oxidation from non-ferrous metals e.g. Aluminium, Galvanised and Zinc surfaces.
<b>Properties</b>	<ul style="list-style-type: none"><li>• True chemical sanding – Modifies the surface of the metal.</li><li>• Phosphate coats the surface – Passivates the substrate.</li><li>• Chemically reacts to create a fine coat of oxide on the surface.</li><li>• Optimises adhesion of the finish to smooth surfaces.</li><li>• Improves anti-corrosion resistance of painted metals.</li><li>• Easier preparation of the substrate – Avoids tedious mechanical sanding.</li><li>• Removes rust from ferrous metals.</li><li>• Eliminates oxidation on non-ferrous metals (Aluminium, Zinc, Galvanised metal).</li><li>• Excellent wetting properties – Rust and Limescale break up more easily.</li><li>• Restores the shine to chromed surfaces that have been affected by limescale.</li></ul>
<b>Basic uses</b>	<ul style="list-style-type: none"><li>• Exterior and Interior.</li><li>• Ferrous Metals: Steel, Cast Iron, etc.</li><li>• Non-ferrous Metals: Copper, Aluminium, Zinc, Chrome, Alloys (Bronze, Brass, etc.), Galvanised metal.</li></ul>
<b>Technical data</b>	<p><b>Composition:</b> Acid Base.</p> <p><b>Solvent Type:</b> Water.</p> <p><b>Specific Gravity at 25°C (77°F):</b> 1.05 ±0.02.</p> <p><b>PH:</b> ±1.</p> <p><b>Flammability:</b> Not classed as flammable.</p> <p><b>Shelf Life:</b> 1 year minimum in original unopened packaging.</p> <p><b>Container Size:</b> 1L, 5L.</p> <p><b>VOC:</b> Outside the scope of EC Directive 2004/42.</p>
<b>Application tools</b>	Brush. Roller.
<b>Good application practice</b>	Cover and protect everything you do not wish to treat. Apply between 5°C (41°F) and 30°C (86°F). Do not apply in direct sunlight or to hot surfaces. Always test on a small inconspicuous area first.
<b>Surface preparation</b>	Surface must be clean, dry and free of oil, grease and other surface contamination. Clean surface with PURATROL*, SOAPCLEAN* or a suitable solvent e.g. Acetone. Allow surface to fully dry. <b>Note:</b> On heavily rusted surfaces treat with OWATROL OIL* or mechanically prepare the surface back to bright clean metal (SIS-Sa2½ or SIS-St3).
<b>Dilutions</b>	<p><b>New Metal:</b> Undiluted.</p> <p><b>Rust Removal:</b></p> <ul style="list-style-type: none"><li>- Light Rust: 1 part OWAPHOS to 3 parts Water.</li><li>- General Rust: 1 part OWAPHOS to 1 part Water.</li></ul>

<b>Application</b>	<p><b>New Metal - Surface Passivation:</b>  Apply OWAPHOS.  Allow to work 30 minutes.  Rinse thoroughly with fresh clean water – DO NOT scrub the surface.</p> <p><b>Rust Removal:</b>  Apply diluted OWAPHOS  Allow to work 15 to 30 minutes depending on severity of rust being treated.  Repeat process if required.  Once the desired result has been achieved rinse thoroughly with fresh, clean water – DO NOT scrub the surface.</p> <p><b>After Completion of the OWAPHOS Process:</b>  On Ferrous metals apply PID 60 within 8 hours.  OR  On Non-ferrous metals or Stainless Steel apply POLYTROL* to prevent corrosion and pitting of the surface.</p>
<b>Coverage</b>	10 to 12m <sup>2</sup> (107 to 129ft <sup>2</sup> ) per litre. Actual coverage will vary depending on application method, type, texture and porosity of the surface.
<b>Clean-up</b>	Clean all tools and equipment with soap and water immediately after use. In the event of accidental spills on sensitive surfaces or surfaces not to be treated rinse thoroughly with water.
<b>Storage</b>	Store in original container and close lid tightly after use. Keep from freezing and high temperatures.
<b>General information</b>	<p>Every care is taken to ensure that the information provided in this technical data sheet is accurate.  <b>Owatrol International</b> 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.  The information above is correct at the date of issue.  All other OWATROL products named in this document should be used as per label instructions and the relevant Technical Data Sheet.</p>
<b>Safety</b>	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.
<b>Issue date</b>	November 2018

\* Same Manufacturer

The following is given for information purposes only. The manufacturer cannot be held liable as it has no control over the application of the products.