



OWAPHOS

RUST REMOVER AND PASSIVATOR

PRODUCT DESCRIPTION

OWAPHOS is a rust remover and passivator 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.

BASIC USES

- Ferrous metals: Steel, Cast Iron, etc..
- Non-ferrous metals: Copper, Aluminium, Zinc, Chrome, Alloys (Bronze, Brass, etc.), Galvanised metal.

PROPERTIES

- True chemical sanding – Modifies the surface of the metal.
- Phosphate coats the surface – Passivates the substrate.
- Chemically reacts to create a fine coat of oxide on the surface.
- Optimises adhesion of the finish to smooth surfaces.
- Improves anti-corrosion resistance of painted metals.
- Easier preparation of the substrate – Avoids tedious mechanical sanding.
- Removes rust from ferrous metals.
- Eliminates oxidation on non-ferrous metals (Aluminium, Zinc, Galvanised metal).
- Excellent wetting properties – Rust and Limescale break up more easily.
- Restores the shine to chromed surfaces that have been affected by limescale.

FINISH	SIZES	USAGE
N/A	1L, 5L	Exterior/Interior

TECHNICAL DATA

Vehicle Type	Based on surfactants and phosphoric acid.
Solvent Type	Water
Specific Gravity at 25°C (77°F)	0.91 +/- 0.05
Viscosity at 20°C (68°F)	Cup CF4 13" +/- 2"
pH	1.6
Flash Point	Not classified as flammable.
Shelf Life	1 year minimum in original unopened packaging.
Application Tools	Brush, Roller, Spray (plastic nozzle).
Dilution	New Metal: Undiluted. Light Rust: 1 part OWAPHOS to 3 parts water. Developed Rust: 1 part OWAPHOS to 1 part water.
Coverage	New Metal and Light Rust: 10 m ² /L. Developed Rust: 3 m ² /L. Actual coverage will vary depending on application method, type, texture and porosity of the surface.
Clean-up	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.
Storage	Store in original container and close lid tightly after use. Keep from freezing and high temperatures.

GOOD APPLICATION PRACTICE

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.

SURFACE PREPARATION

Surface must be clean, dry and free of oil, grease and other surface contamination.
Clean surface with PURA-TROL*, SOAPCLEAN* or a suitable solvent e.g. Acetone.
Allow surface to fully dry.

Note: On heavily rusted surfaces treat with OWATROL® OIL* or mechanically prepare the surface back to bright clean metal (SIS-Sa2½ or SIS-St3).

APPLICATION

NEW METAL – SURFACE PASSIVATION:

Apply OWAPHOS.
Allow to work 30 minutes.
Rinse thoroughly with fresh, clean water – DO NOT scrub the surface.

RUST REMOVAL:

Apply diluted OWAPHOS.
Allow to work 15-30 minutes depending on the severity of the 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.

AFTER COMPLETION OF THE OWAPHOS PROCESS:

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.

RESTRICTIONS

Never mix OWAPHOS with any other cleaning products (bleach, sink cleaner, ammonia, etc.).

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.

*Same 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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