



OWATROL® RA.85

ALUMINIMUM PAINT FINISH



PRODUCT DESCRIPTION

OWATROL® RA.85 is a highly flexible, anti-corrosive coating that possesses the deep penetrating and adhesion properties of OWATROL® OIL*. OWATROL® RA.85 will restore rusted and corroded surfaces to an acceptable appearance to give lasting protection and greatly prolong the life of the treated surface. OWATROL® RA.85 has excellent abrasion resistance, withstands chemical attack and is ideal in aggressive climatic conditions where a high resistant finish is necessary.

BASIC USES

- Ferrous and Non-Ferrous metals – Galvanised, Aluminium, Zinc....
- Gates, Fences, Structural Steel, Roofing, Storage Tanks, Trailers....
- Automotive parts – Exhaust Pipe, Bumpers, Wheels....
- Machinery, Pumps, Electrical, Engine Rooms....
- Horizontal and Vertical surfaces.

** See Restrictions

PROPERTIES

- Penetrates deep in to rusted surfaces to drive out moisture and air.
- Safe to use in confined areas – Does not emit any dangerous fumes.
- Adheres exceptionally well to clean bright steel.
- Excellent light and heat reflecting properties.
- Compatible with all oil and alkyd-based paints.
- Use on all ferrous and non-ferrous metals - Zinc, Copper, Aluminium, Steel, Iron....
- High gloss finish.
- Highly elastic – Will not crack, peel or flake.
- Heat resistant up to 175°C (347°F).
- Sand or shot-blasted surfaces do not require an immediate application – light rust coating will not affect its performance.

FINISH	SIZES	USAGE
Gloss	0.75L, 2.5L, 20L	Exterior / Interior

TECHNICAL DATA

Vehicle Type	Alkyd Resins
Solvent Type	White Spirit
Specific Gravity	At 20°C (68°F): 0.96 ±0.05.
Viscosity at 20°C (68°F)	40-50 cP (ISO 4).
Solid Content	49% ±5%
Gloss Level @ 60°	>70% ±5% GU
Flash Point	>60°C (140°F).
Temperature Resistance (fully cured dry film)	Up to 175°C (347°F).
Shelf Life	2 years minimum in original unopened packaging.
VOC	EU limit value for this product (cat i): 500 g/L (2010). This product contains max 498g/L
Application Tools	Brush, Roller, Airless Spray (0.4mm x 80 @ 1860 – 2000psi (128 – 138 bars)) If applying OWATROL® RA.85 by spray, adjust the product by adding 5% to 20% OWATROL® OIL* depending on nozzle size and type to bring it to the desired viscosity.
Dilution	Use as is. Do not dilute, except where stated.
Coverage	16m ² (172ft ²) per litre. Actual coverage will vary depending on type, texture and porosity of the surface as well as application method.
Drying Times	At 20°C (68°F) and 50% RH. Touch Dry: 6 hours Recoat: 24 hours Hard Dry: 48-72 hours.
Clean-up	White Spirit. Note: Any rags, steel wool etc soaked in OWATROL® RA.85 may spontaneously catch fire if improperly discarded. Rags, steel wool etc must be saturated with water after use or placed in a sealed, water filled metal container, before disposing with household waste.
Storage	Close lid tightly after use and store in original container. Keep from freezing and high temperatures.

GOOD APPLICATION PRACTICE

Cover everything you do not wish to coat.
Apply between 5°C (41°F) and 35°C (95°F).
Do not apply in direct sunlight or to hot surfaces.
Do not apply if cold and /or wet weather is expected within 24 hours.

SURFACE PREPARATION

GENERAL DIRECTIONS

Surfaces must be clean, dry, and free from oil, grease and other surface contaminants. Surfaces exposed to chemicals (acids, alkalis, or salt deposits) should be washed using copious amounts of water or steam cleaned. Severely contaminated surfaces should be cleaned using an appropriate solvent.

All surfaces cleaned with water or steam cleaned should be allowed to dry a minimum of 24 hours before applying OWATROL® RA.85, except for galvanised surfaces treated with OWAPHOS*. Galvanised surfaces treated with OWAPHOS* should be coated within 8 hours. Remove all mill glaze from new metal.

Feather in any sharp edges.

Round off any sharp edges to a 2mm radius.

Wood must have a moisture content of 18% or less.

Prime all metal surfaces (except Aluminium) with 1 coat of OWATROL® OIL*.

NEW OR BRIGHT, CLEAN METAL:

Sand surface with 80 grit abrasive (nothing finer) to form a key.

Thoroughly dust off.

Note: New metal is classed as pickled stock or metal that has been sandblasted to remove any mill glaze and is not rusty.

RUSTED/OXIDISED SURFACES:

Remove all loose and flaking rust.

Thoroughly dust off.

Note: For excessively and deeply rusted surfaces saturate with OWATROL® OIL*.

PREVIOUSLY COATED SURFACES:

Remove all loose, flaking, rust and paint.

Sand surface and feather in any sharp edges.

Thoroughly dust off.

Apply a coat of OWATROL® OIL* to the entire surface.

NON-FERROUS METAL (ALUMINIUM, COPPER, LEAD ETC.):

New

Thoroughly clean and degrease with Acetone.

Sand with fine grade abrasive to form a key.

Dust off.

Dulled and/or Weathered

Remove any loose and flaking material back to a sound surface and edge.

Dust off.

GALVANISED (ZINC) SURFACES

New

Treat with OWAPHOS* to passivate the surface.

Allow to fully dry or dry with a cloth (dabbing action only), forced air etc. DO NOT wipe dry.

Note: It is imperative that the prepared surface is coated within 8 hours.

Weathered

Clean thoroughly with hot soapy water, PURA-TROL*, steam clean or use a non-oxidising agent e.g. Acetone.

Allow to dry a full 24 hours.

Note: Weathered surfaces are those deemed to have been exposed to the elements for longer than 12 months. Any galvanised surface 12 months or under should be treated as new.

SURFACE PREPARATION (CONT.)

WOODEN SURFACES

New

Abrade with 120 grit paper to open the pores of the wood. Dust off. Wipe with a cloth soaked in Methylated Spirits (Denatured Alcohol) or a Tack Cloth to remove any remaining sanding residue.

Oily, resinous and greasy woods should be thoroughly degreased with Methylated Spirits (Denatured Alcohol), Acetone or a similar solvent-based product – NOT White Spirits.

Damaged, Porous and Previously Coated

Thoroughly sand to remove all loose and flaking material, any denatured wood fibres and to dull the surface.

Spot prime all bare exposed wood with OWATROL® RA.85.

Allow to dry.

If required continue spot priming with OWATROL® RA.85 to bring level with the existing finish.

APPLICATION

Stir product thoroughly before and during application.

METAL SURFACES

Apply 1 or 2 coats of OWATROL® RA.85.

For metal surfaces subject to aggressive climatic conditions apply 2 coats.

WOODEN SURFACES

Apply 2 coats of OWATROL® RA.85 working in the direction of the grain.

Note: See "Application Tools" when applying by spray.

MAINTENANCE

Maintenance is easy and frequency will depend on the conditions that the coated surface is exposed to.

Thoroughly clean all surfaces to be coated ensuring any oil, grease and other surface contaminants are removed.

Remove all loose and flaking material and feather in any sharp edges. Sand entire surface. Apply a single application of OWATROL® RA.85 to all areas where exposed metal or rust is showing through. For heavily/deeply rusted surfaces saturate with OWATROL® OIL*.

Apply 1 or 2 coats of OWATROL® RA.85 to the entire surface depending on the conditions it is exposed to.

RESTRICTIONS

Do not apply OWATROL® RA.85 to new metal (except Aluminium), alloys inc' steel and galvanised surfaces as galvanic corrosion caused through contact with moisture and air can occur.

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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DURIEU S.A.

91070 Bondoufle - FRANCE

Tél +33 (0)1 60 86 48 70

OWATROL INTERNATIONAL S.L.U

08007 Barcelona - SPAIN

Tel. +34 93 046 76 81

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Discover all our solutions at
www.owatrol.com

Our technical department is at your disposal to answer any
questions you may have at
info@owatrol.com