



OWATROL® RA.85

ALUMINIUM PAINT FINISH

Product description

RA.85 is a highly flexible, anti corrosive coating that possesses the deep penetrating and adhesion properties of OWATROL OIL*. 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. RA.85 has excellent abrasion resistance, withstands chemical attack and is ideal in aggressive climatic conditions where a high resistant finish is necessary. Originally developed for the shipping industry RA.85 became a favourite cargo hold coating; carrying approval for the carriage of grain.

Properties

- Excellent resistance against the effects of the weather.
- Safe to use in confined areas - Does not emit any dangerous fumes.
- Withstand temperatures up to 175°C once cured.
- Excellent light and heat reflecting properties.
- Adheres exceptionally well to clean, bright metal.
- Sand or shot-blasted surfaces do not require an immediate application - light rust coating will not affect its performance or the final result.
- Use on all ferrous and non-ferrous metals - Aluminium, Copper, Steel, Iron...
- Galvanised surfaces do not require weathering or pickling prior to application.
- High gloss finish.
- Highly elastic - Will not crack, peel or blister.

Basic uses

- Interior and exterior.
- Horizontal and vertical surfaces.
- Gates, fences, structural steel, roofing, storage tanks, trailers...
- Automotive parts - Exhaust pipes, bumpers, wheels...
- Machinery, pumps, electrical, plumbing, boat bilges...
- All wood surfaces.

Technical data

Finish: Gloss.
Vehicle type: Owatrol Oil.
Solvent type: Solvent.
Specific gravity (at 20°C): 0.958 ± 0.05 at 20°C.
Physical state: Liquid.
Solid content: 49% ± 3.
Flash point: > +60°C.
Temperature resistance (fully cured dry film): Up to 175°C.
Shelf life: 2 years minimum in original unopened packaging.
Container size: 0.5L, 2.5L, 20L.
Colour: Silver.
Drying times:

- Touch dry: 12 hours.
- Full dry: 24 hours, depending on temperature and humidity.
- Re-coating time: 24-48 hours.

VOC: EU limit value for this product (cat. A/i): 500 g/l. (2010). This product contains max 495 g/l. VOC.

Application tools

Brush.
Roller.
Airless Sprayer (0.4 mm x 80° @ 1860-2000 psi (128-138 bars)).

Good application practice

Cover everything you do not wish to paint.
Apply between +5°C and +35°C.
Do not apply in direct sunlight or to hot surfaces.

Surface preparation	Remove all scale; loose and flaking rust and old paint back to a sound surface and edge. Feather in any sharp edges. 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. Abrade new wood surfaces with 120 grit paper to open the woods pores and dust off. Wash with denatured alcohol (methylated spirits) to remove any sanding residue. Oily, resinous and greasy woods should be thoroughly degreased with denatured alcohol (methylated spirits), acetone or similar solvent based product NOT White Spirit.
Application	Stir can well before and during use. Do not thin. METAL SURFACES <u>New surfaces exc' aluminium surfaces</u> Prime new metal and galvanised surfaces with 1 coat of OWATROL® OIL* or AP.60* and allow to dry 24 hours. Apply 1 or 2 coats of RA.85. For new metal surfaces subject to aggressive climatic conditions apply 2 coats. <u>New aluminium surfaces</u> Apply 2 coats of RA.85 allowing drying time between coats. <u>Clean, lightly rusted or new unpainted rusty steel</u> Apply 2 coats of RA.85 allowing drying time between coats. <u>Old severely rusted surfaces</u> Apply wet on wet applications of OWATROL® OIL* until rust is fully saturated and allow to dry. Saturation is indicated by a uniform glossy appearance to the surface when OWATROL® OIL* is dry. Apply 2 coats of RA.85 allowing drying time between coats. <u>Previously coated surfaces</u> Spot prime all exposed metal with OWATROL® OIL* or AP.60 depending on severity of rust and allow to dry. Apply RA.85 to primed areas to bring level with existing finish, allowing drying time between coats. Apply 2 coats of OWATROL® RA.85 over entire area; allowing drying time between coats. WOODEN SURFACES <u>New surfaces</u> Apply 2 coats of RA.85 ; allowing drying time between coats. <u>Damaged, soft, punky or porous wood surfaces</u> Prime with OWATROL® OIL* and allow to dry. Apply 2 coats of RA.85 ; allowing drying time between coats. <u>Previously coated surfaces</u> Spot prime all exposed surfaces with OWATROL® OIL* or AP.60* depending on condition and porosity of the wood, allow to dry. Apply RA.85 to primed areas to bring level with existing finish, allowing drying time between coats. Apply 2 coats of RA.85 over entire area; allowing drying time between coats.
Coverage	18 m ² per litre. Actual coverage will vary depending on application method, type, texture, age and porosity of the surface.
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. Apply a single application of RA.85 to all areas where exposed metal or rust is showing through, allow to dry. If desired a further application of RA.85 may be applied to the entire surface.
Restrictions	Do apply RA.85 direct to new metal (except aluminium), alloys inc' steel and galvanised surfaces as galvanic corrosion caused through contact with moisture and air can occur.
Clean-up	Clean all tools and equipment with white sprits while still wet. If allowed to dry, remove with paint stripper. NOTE: Any rags, steel wool etc soaked in 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	Left over RA.85 should be transferred to a smaller, airtight, closed metal or glass container. Keep from freezing and high temperature.
General information	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 info@owatrol.com 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 technical data sheet.
Safety	Refer to the safety data sheet (MSDS) available at www.owatrol.com and text on the packaging. Keep out of the reach of children.
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* Same manufacturer