

# RA85



# Aluminium Paint Finish



## Anti-corrosive Penetrating Paint

RA85 (Aluminium Paint) is a highly flexible, anti corrosive coating that possess the deep penetrating and adhesion properties of Owatrol Oil. It will restore rusted and corroded surfaces to an acceptable appearance and give lasting protection; greatly prolonging the life of the treated surface.

Originally developed for the shipping industry it became a favourite cargo hold coating; carrying approval for the carriage of grain. Safe to use in confined areas, it will withstand temperatures up to 150°C, once cured.

Simple and easy to use with minimum preparation required RA85 has excellent abrasion resistance, withstands chemical attack and is ideal in aggressive climatic conditions where a high resistant finish is necessary. Highly elastic it will not crack, peel or blister and can be applied under damp conditions. RA85 offers excellent light and heat reflecting properties

RA85 maybe used on new or rusted steel and is especially recommended for the protection and rejuvenation of corrugated roofs, wire fences, storage tanks, steel structures, factory ceilings, automotive parts, boat bilges etc. RA85 may also be used on wood

- **Coverage:**  
15 – 18m<sup>2</sup> per Litre
- **Drying Time:**  
Dry to Dust – 6 Hrs  
Touch Dry – 12 Hrs  
Fully Dry & Re-Coat – 24 Hrs  
The re-coat times should be extended by 24 hours if air temperature is low or there is high humidity
- **Size:**  
500ml, 2.5Ltr, 20Ltr
- **Colours**  
Bright Silver (Aluminium)
- **Application:**  
Brush, Roller, Spray



**Easy Application**

**Minimal Surface Preparation**

**High Temperature Resistance**

**Crack & Peel Proof**


**Rejuvenates Rusted Surfaces**


**Protects From Corrosion**

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<p><b>Printed</b> February 08</p>	<h1>RA85</h1> <h2>Aluminium Paint</h2> <h3>Technical Data Sheet</h3>							
<p><b>Description</b> Owatrol RA85 (Aluminium Paint) is a non-toxic, anti corrosive coating that possess the deep penetrating and adhesion properties of Owatrol Oil. Highly elastic it will not crack, peel or blister. RA85 will restore rusted and corroded surfaces to an acceptable appearance to give lasting protection and greatly prolong the life of the treated surface. Safe to use in confined areas, RA85 does not emit any dangerous fumes and will withstand temperatures up to 175°C once cured. RA85 has excellent abrasion resistance, withstands chemical attack and is ideal in aggressive climatic conditions where a high resistant finish is necessary. RA85 offers excellent light and heat reflecting properties; adheres exceptionally well to clean, bright metal; while sand or shot-blasted surfaces do not require an immediate application, since a light rust coating will not affect its performance or the final result. Originally developed for the shipping industry RA85 became a favourite cargo hold coating; carrying approval for the carriage of grain.</p> <p><b>Where to use</b> Suitable for interior and exterior surfaces, RA85 is ideal for difficult conditions such as Industrial or Marine climates; maybe used on new or rusted metal and is especially recommended for the protection and rejuvenation of corrugated roofs, wire fences, storage tanks, steel structures, factory ceilings, automotive parts, boat bilges etc. RA85 may also be used on wood</p> <p><b>TECHNICAL DATA</b></p> <p><b>Finish:</b> Satin  <b>Vehicle Type:</b> Owatrol Oil  <b>Shelf Life:</b> 8 years in a closed container  <b>VOC:</b> Does not exceed 482gms/litre  <b>Volume Solids:</b> 42%  <b>Flash Point:</b> &gt;61°C  <b>Temperature Application:</b> 5°C – 35°C  <b>Temperature Resistance:</b> 175°C (Fully cured dry film)</p> <p><b>Coverage</b> 15 – 18m<sup>2</sup> per litre</p> <p><b>Film Thickness</b></p> <table border="0" style="width: 100%;"> <tr> <td></td> <td style="text-align: center;">Wet Film</td> <td style="text-align: center;">Dry Film</td> </tr> <tr> <td>Clean Surfaces</td> <td style="text-align: center;">36 – 60 microns</td> <td style="text-align: center;">15 – 25 microns</td> </tr> </table> <p>The film thickness' on heavily rusted or pitted surfaces will be difficult to measure since the porosity of the substrate will allow the product to penetrate more rapidly as well as providing cavities in the surface which cannot be measured accurately</p> <p><b>Drying Time</b>  Dry to Dust – 6 hours  Touch Dry – 12 hours  Fully Dry &amp; Re-coat – 24 hours</p> <p><b>Note</b>  The re-coat times should be extended by 24 hours if air temperature is low or there is high humidity</p> <p><b>Application Method</b>  Brush – Natural or Synthetic bristle  Roller – Short or Medium pile  Airless Sprayer (0.4mm x 80° @ 1860 – 2000psi (128 – 138 bars))</p> <p><b>Limitations</b>  No known limitations</p> <p><b>Sizes:</b>  500ml, 2.5ltr, 20ltr</p> <p><b>Colour</b>  Bright Silver (Aluminium)</p>				Wet Film	Dry Film	Clean Surfaces	36 – 60 microns	15 – 25 microns
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<p><b>Direction for use:</b></p> <p><b>SURFACE PREPARATION</b> Surfaces must be clean, dry and free from oil, grease and other surface contaminants Remove all loose and flaking rust; scale and old paint back to a sound surface using a wire brush or scraper. Do not remove tightly bonded rust. Feather in all sharp paint edges Surfaces exposed to chemicals (acids, alkalis or slat deposits) should be washed using copious amounts of water or steam cleaned Severely contaminated surfaces should be cleaned using an appropriate solvent</p> <p><b>APPLICATION</b> Stir or shake can well before and during use <b>Do not dilute</b></p> <p><b>New Steel (except Aluminium)</b> Prime new steel with 1 coat of Owatrol Oil and allow to dry Apply 1 coat of RA85. <b>For new steel or aluminium that will be subject to aggressive climatic conditions a 2<sup>nd</sup> coat is advisable</b></p> <p><b>Clean, Lightly Rusted or New Unpainted Rusty Steel</b> Apply 2 coats of RA85 allowing drying time between coats</p> <p><b>Old Severely Rusted Surfaces</b> 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 RA85 allowing drying time between coats</p> <p><b>Previously Coated Surfaces</b> Spot prime all exposed metal with Owatrol Oil or 1 coat of RA85 depending on severity of rust and allow to dry Apply 2 coats of RA85 over entire area; allowing drying time between coats</p> <p><b>MAINTENANCE</b> 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 RA85 to all areas where exposed metal or rust is showing through, allow to dry If desired a further application of RA85 may be applied to the entire surface</p> <p><b>Good Application Practice</b> Cover everything you do not wish to paint</p> <p><b>Clean Up</b> Clean all tools and equipment with white spirit whilst still wet Any rags soaked in RA85 should be dipped in water before disposing with household waste Store and maintain equipment as directed by manufacturer</p> <p><b>Health &amp; Safety</b> Material Safety Data Sheets for this and all other Owatrol products are freely available from the place of purchase or the address below. Store in secure dry conditions inaccessible to children and animals. Containers should be kept closed during storage. Do not empty into drains, watercourses or access routes to septic tanks</p> <p><b>Availability</b> RA85 is available through quality paint stores and marine outlets  For further information please contact the address below</p>		

## SAFETY DATA SHEET

### 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Identification of the substance or preparation:

Name: RUSTOL ALU / OWATROL ALUMINIUM STAIN.

Product code: RA8501.

#### Company/undertaking identification:

Registered company name: Produits DURIEU S.A..

Address: Z.A.I. "La Marinière" 2,bis rue Charles de Gaulle.91070.BONDOUFLE.FRANCE.

Telephone: + 33 (0)1.60.86.48.70. Fax:+ 33 (0)1.60.86.84.84. Telex:.

#### Emergency telephone: + 33 (0)1.45.42.59.59.

Association/Organisation: O.R.F.I.L.A.

#### Use of the substance/preparation:

Aluminium stain.

### 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 2: see section 16.

#### Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

#### Other substances representing a hazard:

No known substance in this category present.

#### Substances present at a concentration below the minimum danger threshold:

No known substance in this category present.

#### Other substances with occupational exposure limits:

No known substance in this category present.

#### Other components:

INDEX	CAS	EC	Name	Symb.	R:	%
649-327-00-6	64742-48-9	265-150-3	NAPHTHA (PETROLEUM), HYDROTREATED HEAVY	Xn	65	2.5 <= x % < 10
649-330-00-2	64742-82-1	265-185-4	NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY	Xn	65	25 <= x % < 50

#### May produce an allergic reaction:

INDEX	CAS	EC	Name	Symb.	R:	%
016	68409-81-4		ACIDES GRAS RAMIFIES EN C6-C19, SELS DE COBALT (2+)	Xn	38 22 43	0 <= x % < 2.5

### 3 - IDENTIFICATION OF HAZARDS

This product is not classed as flammable. Refer to the recommendations regarding the other products present on the site

On contact with water or moist air, the preparation releases dangerous quantities of highly inflammable gases at a minimum rate of 1 litre/kg/h

May produce an allergic reaction.

### 4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

#### In the event of exposure by inhalation:

If a large quantity is inhaled, move the patient into the fresh air and keep him/her warm and still.

#### In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

#### In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

DO NOT use solvents or thinners.

**In the event of swallowing:**

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.  
If swallowed accidentally, call a doctor to assess the need for monitoring and subsequent treatment in hospital. Show him the label.

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**5 - FIRE-FIGHTING MEASURES**

Not relevant.

**Suitable extinguishing media:**

In the event of fire, use specifically suitable extinguishing agents. Never use water.

N/A

N/A

N/A

**Extinguishing media which must not be used for safety reasons:**

Water may be ineffective as extinguishing medium but may be used to cool closed containers exposed to heat.

N/A

**Special protective equipment for fire-fighters:**

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

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**6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Consult the safety measures listed under headings 7 and 8.

**Environmental precautions:**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

**Methods for cleaning up:**

Clean preferably with a detergent, do not use solvents.

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**7 - HANDLING AND STORAGE**

The regulations relating to storage premises apply to workshops where the product is handled.

**Handling:**

Handle in well-ventilated areas.

Keep containers tightly closed.

Avoid getting on skin or in eyes when handling product.

Prevent use in areas with flames and other ignition sources. Use appropriate electric appliances.

Large storage tanks should be earthed.

**Fire prevention:**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures:**

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Packages which have been opened must be reclosed carefully and stored in an upright position

**Prohibited equipment and procedures:**

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

Never pour water into this product

**Storage:**

Keep the container tightly closed in a dry place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Do not keep in plastic containers - may soften plastic.

Opened container must be thoroughly closed and kept in vertical position.

Keep away from corrosive agents such as strong acids or alkalines to avoid possible leakage or self combustion.

## 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

### Technical measures:

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

If this ventilation is insufficient to maintain the concentration of solvent vapors below the exposure limits, wear breathing apparatus

### Respiratory protection:

Where workers encounter concentrations higher than the exposure limits, they must wear suitable, approved masks.

### Hand protection:

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.

In the event of prolonged or repeated contact with the hands, use appropriate gloves.

N/A

### Eye and face protection:

Use eye protectors designed to protect against liquid splashes

### Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

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## 9 - PHYSICAL AND CHEMICAL PROPERTIES

### General information:

Physical state: fluid liquid

### Important health, safety and environmental information:

pH of the substance or preparation: not relevant.

The pH is impossible to measure or its value is not relevant.

Boiling point/boiling range: not relevant.

Flash point interval: Flash point: > 61°C

vapour pressure: not specified.

Density: < 1

water solubility: Insoluble.

### Other information:

melting point/melting range: not specified.

Self-ignition temperature: not relevant.

Decomposition point/decomposition range : not relevant.

VOC (g/l): 491

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## 10 - STABILITY AND REACTIVITY

When exposed to high temperatures, the preparation may release dangerous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide

In contact with water or moist air, the preparation releases dangerous quantities of highly flammable gases at a minimum rate of 1 litre/kg/h

Shake product well before using.

### Conditions to avoid:

Refer to §7.

Keep away from corrosive agents such as strong acids or alkalines to avoid possible leakage or self combustion.

### Materials to avoid:

N/A

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## 11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Exposure to vapors from solvents contained in the preparation beyond the exposure limits stated may produce effects harmful to health, such as:

Irritation of mucous membrane and respiratory system, kidneys, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Prolonged or repeated contact with the preparation may strip the skin of its natural oil and thus cause non-allergic dermatitis on contact and absorption through the epidermis.

Splashes in the eyes may cause irritation and reversible damage

**In the event of exposure by inhalation:**

Refer to §4 "FIRST AID".

**In the event of swallowing:**

Refer to §4 "FIRST AID".

**In the event of splashes or contact with skin:**

Refer to §4 "FIRST AID".

**In the event of splashes or contact with eyes:**

Refer to §4 "FIRST AID".

**Other data:**

Formula sent to the I.N.R.S.

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**12 - ECOLOGICAL INFORMATION**

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

**Mobility:**

Contains volatile products that will disperse in air.

Contains a solid phase.

**Persistence and degradability:**

Not easily biodegradable.

**Ecotoxicity:**

Insufficient data.

N/A

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**13 - DISPOSAL CONSIDERATIONS**

Do not pour into drains or waterways.

**Waste:**

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging:**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

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**14 - TRANSPORT INFORMATION**

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2005 - IMDG 2004 - ICAO/IATA 2005).

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**15 - STATUTORY INFORMATION**

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) have been taken into account.

This product is not classed as flammable.

**Contains:**

Contains 016 ACIDES GRAS RAMIFIES EN C6-C19, SELS DE COBALT (2+). May produce an allergic reaction.

**Particular hazards associated with the preparation and safety recommendations:**

- |      |  |
|------|--|
| R 15 | Contact with water liberates extremely flammable gases.  |
| S 43 | En cas d'incendie, utiliser du sable sec. Ne jamais utiliser d'eau.                                      |
| S 2  | Keep out of reach of children.   |
| S 23 | Ne pas respirer les gaz/fumées/vapeurs/aérosols.   |
| S 24 | Avoid contact with skin.   |
| S 62 | If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label. |
| S 7  | Keep container tightly closed.   |
| S 41 | In case of fire and/or explosion do not breathe fumes.   |
| S 8  | Keep container dry.  |
|      | Marine Pollutant P.  |

## 16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

### Full text of risk phrases appearing in section 2:

R 10	Flammable.
R 15	Contact with water liberates extremely flammable gases.
R 22	Harmful if swallowed.
R 38	Irritating to skin.
R 43	May cause sensitization by skin contact.
R 65	Harmful. may cause lung damage if swallowed.

### 2004/42/EC (COV):

The permitted European levels of VOC in the ready-to-use product (category IIAi) are 600 g/l maximum in 2007 and 500 g/l maximum in 2010.

The permitted European level of VOC in this ready-to-use product is limited to 491 g/l.