**Specialist for new Technology**

# Robyn's paint ocean

robynspaint.co.uk

**We produce tomorrows Technology, not todays**

# R0-015 / Macro Antifouling

***Long-Life***

**General Characteristics:** Acrylic resin base, comprising high copper oxide and contains extra new generation biocides.
Macro Antifouling is strengthened with various new generation nano technological resin systems. Contains copper oxide in much higher rate in proportion to its competitors.

• Recommended for mega yachts and ships.
• It is effective against all kinds of shell sea organisms, mussels and mosses forming on the parts of GRP, metal and wooden boats..
• Demonstrates high performance in less used yachts from cold water in northern seas to hot waters of the Mediterranean, to Indian and Pacific Oceans in many seas.
• Tin-free as it is environmental friendly.
• Recommended for boats up to 35 knots.

**Application:** Recommended use; 1 thick coat in seasonal usage and 3 coats for a couple of seasons (150 microne for each coat) after Silver Primer.
**Drying Period (20°C):** 8-12 hours.
**Storage Life**: 2 years in room temperature.

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AQUA

# RO-065 / Macro Antifouling

***Water-Based***

**General Characteristics:** Water-based resin and it contains copper oxide with increasing adhesion power with various silanes and in much higher rate in proportion to its competitors.

• Recommended for mega yachts and great tonnage ships.
• It prevents mosses and crustaceans in the most polluted, flowing waters to live in GRP, metal and wooden boats.
• Demonstrates high performance in less used yachts.
It delivers an outstanding performance from cold water in northern seas to hot waters of the Mediterranean, to Indian and Pacific Oceans in many seas.
•Tin-free as it is environmental friendly. • It is odourless.
• Protects against many marine species and is strengthened by nano technological biocidal products.
• Recommended for boats up to 35 knot.

**Application:** Recommended use; 2 thick coats in seasonal usage and 3 coats for a couple of seasons (150 microne for each lcoat).
**Drying Period (20°C):** 8-24 hours. **Storage Life: 2 years in room temperature.**

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# RO- 024 / COPPER Plus Antifouling

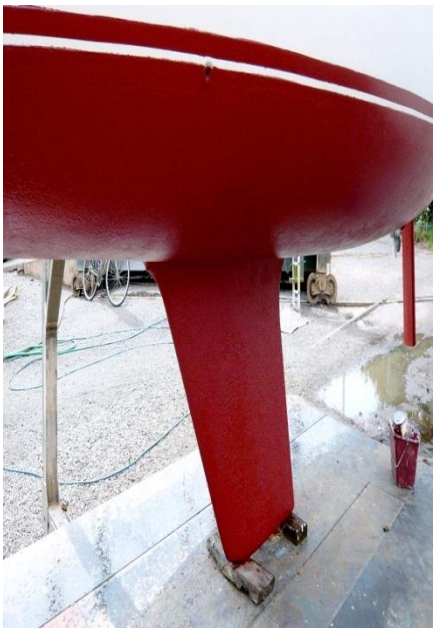

**General Characteristics** : Synthetic acrylic resin based and contains higher rate of copper oxide with increasing adhesion power with various resins.

• Recomended for Seasonal boats. It has hard structure.
• Prevents mosses and crustaceans to live in GRP, metal and wooden boats. • Tin-free as it is environmental friendly.
• It is recommended for boats up to 35 knots.

**Application:** Recommended after Silver Primer , for seasonal usage 1 or 2 coats (150 microns for each coat).
**Drying Period (20°C):** 8-12 hours.
**Storage Life:** 2 years in room temperature.

# RO-017 / SPC Antifouling

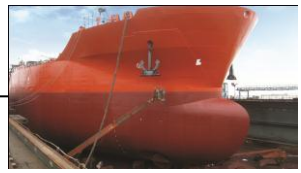
***Long-Life***



**General Characteristics:** Acrylic resin based, comprising high copper oxide and contains extra new generation biocides.
SPC Antifouling is strengthened with various new generation nano technological resin system. Contains high level copper oxide.

• Recommended for mega yachts and ships.
• It is effective against all kinds of shell sea organisms, mussels and mosses forming on the parts of polyester, metal and wooden boats.
• Demonstrates high performance in less used yachts from cold water in northern seas to hot waters of the Mediterranean, to Indian and Pacific Oceans in many seas.
• Tin-free as it is environmental friendly.
• Recommended for boats up to 35 knots.

**Application:** Recommended use; 1 thick coat in seasonal usage and 3 coats for a couple of seasons (150 microne for each layer) after Silver Primer.
**Drying Period (20°C):** 8-12 hours.
**Storage Life**: 2 years in room temperature.



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# RO- 020 / Aventura Antifouling

**General Characteristics** : Economic Antifouling with acrylic resin base.

* Environment friendly (Tin-Free).
* Mainly recommends use for fishermen's and boats for 3-6 months.
* Effective against all kinds of shell sea organisms, mussels and mosses forming on the parts of polyester, sheet iron and wooden boats.
* Adheres very well to wooden, Grp and metal boats after silver primer.
* Hull speeds up to 20 knots.

**Application:** Recommended after Silver Primer , for seasonal usage 1 or 2 coats (150 microns for each coat).
**Drying Period (20°C):** 8-12 hours.
**Storage Life:** 2 years in room temperature.

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# RO- 050 / Speed Antifouling

**General Characteristics:** Robyn's Ocean RP-050 is a special type of hard synthetic
matrix resin based, and is reinforced by various new generation resins.

• Produced for speed boats (35 - 50 knots), it is an environmental long lasting antifouling, friendly final layer paint.
• Tin-free as it is environmental friendly.
• Protects against many marine species and is strengthened by nano technological biocidal products.

**Application:** Recommended use;120 microne film 1 coat and 3 coats for seasonal usage after Silver Primer . It should be applied at least 2 coats by providing 120 microne film thickness for each coat. Increase coat number for longer usages.
**Drying Period (20°C):** 8-12 hours.
**Storage Life**: 2 years in room temperature.

# RO- 055 / Fresh Water Antifouling

**General Characteristics:** It has hard resin combination developed with a special formulation. Dissolution occurs with matrix synthetic resin system.

- Does not contain copper oxide. It is developed for preventing heavy metal pollution in internal waters of Europe.
- Used in Nile River and Victoria lake in Africa.
- Elastic structure. It is used in the inner and outer parts of underwater sections of GRP, wooden and metal boats.
- It works against many marine species and it is strengthened by nano technological biocidal products.
- Recommended for boats up to 35 knots.

**Application: R**ecommended use; after appling Silver Primer , 2-3 coats (150 microns for each coat) of RP-055 should be applied.
**Drying Period (20°C):** 8-12 hours. **Storage Life:** 2 years in room temperature.

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## RO- 011 / Silver Primer
***Solvent -Based Primer***

**General Characteristics:** Synthetic Acrylic resin based, primer paint strengthened with epoxy resins.

- It provides a basis for antifouling paints to apply on.
- Elastic structure.
- Used in the inner and outer parts of underwater parts of GRP, wooden and sheet metal boats.
- Effective against rust in sheet metal boats.

**Application: A**pplied as a thin coat not to exceed 30 microne thickness.
Recommended at least 2 coats on new boats.
Sufficient for 1 coat in the boats painted every season.
**Drying Period (20°C):** 4-12 hours.
**Storage Life**: 2 years in room temperature.

## RO- 061 / Aqua Primer
***Water-Based Primer***

**General Characteristics:** : It is based on water-based resin. It is a primer with increasing adhesion strength with various silanes.

- Provides a basis for water-based antifouling paints
- Elastic structure.
- Used in inner and outer parts of underwater parts of GRP, wooden and metal boats.
- Applied against rust after primer in sheet metal boats.

**Application: A**pplied in 1 coat not to exceed 30 microne thickness.
Recommended to use at least 2 coats on new boats.
Sufficient for 1 coat in the boats painted every season.
**Drying Period (20°C):** 6-15 hours.
**Storage Life**: 2 years in room temperature.

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### Antifouling Colors

Royal Red | Ocean Blue | Egg Shell White | Royal Blue | Black

# RO- 960 / Polyurethane Top Coat / 2k

**General Characteristics :** Polyurethane Top Coat is a two component polyurethane finish with an excellent resistance to the industrial and marine environment.

- Extra UV resistant. Low solar absorption
- Superior gloss and colour retention.
- Highly resistant to a lot of chemicals, oil, sea water and corrosion.
- Marine topside, deck and superstructure.
- Offshore environments, refineries, power plants, bridges and buildings.
- Suitable for a wide range of industrial structures.
- Floors and Wood surfaces

**Application:** The surface must be cleaned from dust, oil, dirt and corrosion which Will decrease adherence.
The Polyurethane Top coat can be applied to suitable Epoxy Primers, and Polyurethane Undercoats.
Main material is mixed with hardener by 4:1 ratio (weight).
It should be applied minimum 2 layers with intervals of
24 hours between layers.
Do not mix more paint than can be used in 1 hour. If necessary thin with Pu-50 Thinner.
When applied by brush or roller, apply in smooth and gentle strokes.
Apply crosswise to ensure an even distribution of the paint.
Relative humidity should be less than 90 %RH

**Consumption:** 0,200 L/m² for each layer. (Approximate thickness of 60 Microns of dry film).
**Drying Time ( 20°C) :** Pot life is 4 hours. Recoat time: 12 hours, Fully cured 5 days.

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# RO-117 / Epoxy Universal Undercoat / 2k

**General Characteristics :** Two component undercoat paint with Epoxy solvent based resin.
Recommended for undercoat for Epoxy Filler,and undercoat before top coat.
Good sanding paper.
Produce only Grey color , matt looking
Resistant to a lot of chemicals and corrosion.
Main material is mixed with hardener by 4:1 ratio (weight). Pot life is 1 hour at 20°C
**Consumption :** 0,250 kg/m² for each layer. (Approximate thickness of 80 Microns of dry fil

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# RO-250 / Polyurethane Undercoat / 2k

**General Characteristics :** Polyurethane undercoat is mainly used as un undercoat for finishing coats.
- Can be easily sanded to a sound and smooth base coat for
- Polyurethane Top Coats and other finishes.
- Suitable for Top Coats.
- Highly resistant oil and sea water.
- Marine topside, deck and superstructure.
- Offshore environments, refineries, power plants, bridges and buildings.
- Suitable for a wide range of industrial structures.
- Wood surfaces

**Application:** The surface must be cleaned from dust, oil, dirt and corrosion which will decrease adherence. The Polyurethane Undercoat can be applied to suitable Epoxy Primers, Main material is mixed with hardener by 4:1 ratio (weight). It should be applied minimum 2 layers with intervals of 24 hours between layers.
Do not mix more paint than can be used in 1 hour.
If necessary thin with Pu-50 Thinner.
When applied by brush or roller, apply in smooth and gentle strokes.
Apply crosswise to ensure an even distribution of the paint.
Relative humidity should be less than 90 %RH
**Consumption :** 0,200 L/m² for each layer. (Approximate thickness of 60 Microns of dry film).
**Drying Time ( 20°C) :** Pot life is 2 hours. Recoat time: 8 hours,
Fully cured 5 day.

# RO-520 / Epoxy Classic Filler

**General Characteristics:** Epoxy resin based, solvent free filler. It is a two component, general purpose filler which is used in all kinds of sea vehicle (Wood, Steel, Polyesters) works.

- Easily sandpapered
- Applied to the underwater and water level parts of the boat
- Can be applied in one coat thickness of 1-2 cm
- Used in solving of osmosis problems in GRP boats
- It forms a solid surface to apply Undercoat, Antifouling and Final Layer paints.
- Density is d=1,60 ±2 gr/cm3

**Application :** The components A (Filler) and B (Hardener) are mixed volumetrically in 1/1 ratio, until the color turns out to be grey. It is applied through a steel trowel. Should not be applied in places where temperature is less than +10 degrees and humidity is over 70%.
**Drying Time ( 20°C) :** Pot life is 1.5 hours. Minimum drying time is 8-12 hours before sandpapering, second layer application is after 12-24 hours, full drying time is 24 hours. Chemical drying takes 7 days.
**Flaming Point :** 200 ° C **Storage Life :** 2 years at room temperature.
**Mixing Color :** Grey

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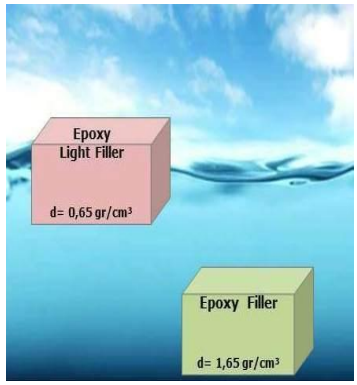
# RO-530 / Epoxy Light Filler




**General Characteristics:** Epoxy resin based, solvent free tixotropic light filler. It is a two component, general purpose which is used in all kinds of sea vehicles (Wood, Steel, Polyesters) works.

- Does not add weight on the boat. Density less than water (d=0.65 ±2 gr/cm3)
- Easily sandpapered.
- Applied to the underwater and water level parts of the boat.
- Can be applied in one coat thickness of 1-2 cm.
- Used in solving of osmosis problems in GRP boats.
- It forms a solid surface to apply Undercoat, Antifouling and Final Layer paints.
- Does not shrink or draw after drying. It may be applied 1-2 cm at one coat.

**Application :** Remove dust, oil and dirt from the surface. Apply at least 1 coat Epoxy Primer.
The components A (Filler) and B (Hardener) are mixed volumetrically in 1/1 ratio, until the color turns out to be red. It is applied through a steel trowel. May not be applied in places where temperature is less than +10 degrees and humidity is over 70%. Thinner is used for cleaning .
**Drying Time ( 20°C) :** Pot life is 1 hour under 20 C°. Minimum drying period before sanding is 24 hours. Second layer application requires 12-24 hours and full drying requires 24 hours. Chemical resistance comes after 7 days.
**Flaming Point :** 200 ° C **Shelf Life :** 2 years at room temperature. **Mixing Color :** Red

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# RO-533 / Epoxy Finishing Filler

**General Characteristics:** Epoxy resin based, solvent free, very light, resistant to aqueous and chemical environments.

- Smooth finishing before top coat paint.
- Thus not added weight on the boat. Density less than water (d=0.80 ±2 gr/cm3 ).
- Easily sandpapered.
- Applied to the underwater and water level parts of the boat.

**Application :** Remove dust, oil and dirt from the surface and apply at least 1 coat Epoxy Primer.
The components A (Filler) and B (Hardener) are mixed volumetrically in 1/1 ratio, until the color turns out to be red. It is applied through a steel trowel. May not be applied in places where temperature is less than +10 degrees and humidity is over 70%. Thinner is used for cleaning thinner.
**Drying Time ( 20°C) :** Pot life is 1 hour under 20 C°. Minimum drying period before sanding is 24 hours. Second layer application requires 12-24 hours and full drying requires 24 hours. Chemical resistance comes after 7 days.
**Flaming Point :** 200 ° C **Shelf Life :** 2 years at room temperature. **Mixing Color :** Yellow


| Product No | Antifouling Product Details |
|---|---|
| **SW- 20** | The hybrid polymer resin system has been modified with wax. LONG LIFE !<br>Its surface is long-lasting thanks to its strong coating and thickness.<br>Superior performance in tropical and polluted waters.<br>It protects the nets against external factors and UV rays.<br>Flex structure, controlled dissolution.<br>It is a concentrated product, diluted with 80-100% water by volume. Red |
| **SW-10** | The matrix resin system has been modified with wax.<br>Semi Flex, Controlled dissolution. LONG LIFE !<br>Superior performance in hot and tropical waters.<br>Concentrated product, diluted with 80-100% water by volume Red |
| **PW-30** | It has been modified with a wax polymer resin system. LONG LIFE !<br>Its surface is long-lasting thanks to its strong coating and thickness.<br>Superior performance in tropical and polluted waters.<br>It protects the nets against external factors and UV rays.<br>Flex structure, controlled dissolution.<br>Ready-to-use product, not thinned. Red |
| **ST-15**<br>**Copper Oxide-Free**<br>*** **** | Does not contain copper oxide. It is an economical product.<br>The matrix resin system has been modified with wax.<br>Semi Flex, Controlled dissolution.<br>Performance in many waters.<br>It is a concentrated product, diluted with 50-80% water by volume. Grey |
| **PM-50**<br>**Copper Oxide-Free**<br>***** | Does not contain copper oxide.<br>The hybrid polymer resin system has been modified with wax. LONG LIFE !<br>Its surface is long-lasting thanks to its strong coating and thickness.<br>Superior performance in tropical and polluted waters.<br>It protects the nets against external factors and UV rays.<br>Flex structure, controlled dissolution.<br>Ready-to-use product, not thinned. Red - Black |
| **FW-15**<br>**Fresh Water** | Used in fresh waters and seas with low salinity.<br>High performance against many freshwater organisms.<br>Protects the nets against external factors and UV rays.<br>Economical, concentrated product, diluted with 50-100% water by volume.<br>Color: Red - Black - Gray |
| **ST-5**<br>**Protecting Coat**<br>*** **** | Water-based Network Paint has protective properties.<br>It has saturated and vibrant color power. It is Semi Flex.<br>It prevents fish such as Cot and Sea Bream from gnawing the net and extends the life of the net. It protects the net from the corrosive effects of the sea and UV rays.<br>* When used as a primer, it reduces Antifouling consumption by 15-25%,<br>It allows antifouling to remain on the surface longer.<br><br>Its painting and coating power is high.<br>It is a concentrated product, diluted with 150% volume of water.<br>Color: Oxide Red - Black |

Our products are being used in Turkey for many producers and exported to Russia, Azerbaijan, Spain , Greece, Egypt , Kenya, Oman, Albania, Kazakhistan, Romania, Israel, Pakistan and Iran.

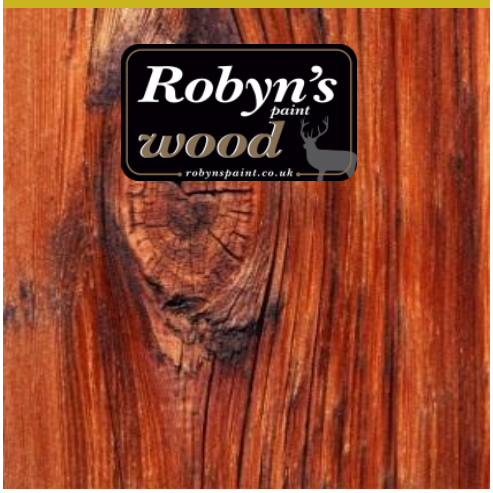
We have been producing antifouling paints with a capacity of 2. million liter per year since 2005.

## Outher Products

### Heat Insulation Coatings


### Insulation & Special Paints


### Wood Primers & Paints




### Marine Paints Antifouling


Derin®
Boya/Paints

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