

# Micron 99

## Antifouling

### Premium SPC Antifouling for Multi-Season Protection



#### PRODUCT DESCRIPTION

Micron 99 is an antifouling product effective against fouling organisms; slime, aquatic plants and animals. A Multiseasonal Premium Self Polishing Copolymer (SPC) antifouling suitable for professional application. The low VOC content helps boatyards to cut solvent emissions and meet SED legislation, and the high surface coverage helps yards to reduce paint usage and labour costs respectively.

#### PRODUCT INFORMATION

<b>Colour</b>	YBC101-Blue, YBC103-Navy, YBC104-Red, YBC106-Black
<b>Finish</b>	Low Sheen
<b>Specific Gravity</b>	2.1 average
<b>Volume Solids</b>	65% average
<b>Typical Shelf Life</b>	2 yrs
<b>VOC (As Supplied)</b>	300 g/L average
<b>VOC (EU Solvent)</b>	141 g/Kg EU Solvent Emissions Directive (Council Directive 1999/13/EC)
<b>Unit Size</b>	5L, 20L
	Not all pack sizes are available in all countries

#### DRYING/OVERCOATING INFORMATION

	Drying			
	5°C (41°F)	15°C (59°F)	23°C (73°F)	35°C (95°F)
Touch Dry	60 mins	45 mins	30 mins	20 mins
Immersion	24 hrs	18 hrs	12 hrs	12 hrs

**Note:** Max. immersion times are as follows: 5-35°C - 12 months

Micron 99 is a high performance Self Polishing Co-Polymer (SPC) antifouling, and with over application the product may be slow to through-dry. Please ensure product is hard dry before lifting vessel, although sling marks may occur this will not impact the performance of the paint.

Overcoated By	Overcoating							
	Substrate Temperature							
	5°C (41°F)		15°C (59°F)		23°C (73°F)		35°C (95°F)	
	Min	Max	Min	Max	Min	Max	Min	Max
Micron 99	8 hrs	ext	6 hrs	ext	4 hrs	ext	3 hrs	ext

#### APPLICATION AND USE

##### Preparation

**In Good Condition** All fouling and contamination must be thoroughly removed including the leached layer. Use close high pressure fresh water wash (3000 psi/207 bar) and/or scraping and wet sanding with typically 80-120 grade paper. If old antifouling is incompatible or unknown, seal with suitable International Paint barrier/sealer coat.

**In Poor Condition** Remove all loosely adhering and flaking material, feather back all edges and sand all areas. Areas taken back to substrate should be treated as for new work. If old antifouling is incompatible or unknown, seal with suitable International Paint barrier/sealer coat.

**PRIMING** For suitable primers, consult international-yachtpaint.com or contact your local International Paint Representative.

**BARE GRP** Degrease with solvent, Super Cleaner or a suitable liquid detergent. Sand well using 180-220 grade paper. Clean thoroughly and allow to dry completely. Pre-prime using an International primer as detailed for specific coating systems.

**STEEL** Degrease with solvent, Super Cleaner or a suitable liquid detergent. Gritblast to Sa 2½ - near white metal surface. If gritblasting is not possible, grind the metal surface with 24-36 grit abrasive discs to a uniform, clean, bright well roughened metal surface 50-75-microns anchor pattern. Use angle grinder on small areas. Clean thoroughly and allow to dry completely. Pre-prime using an International primer as soon as possible (within 8 hours) as detailed for specific coating systems.

**LEAD** Degrease with solvent, Super Cleaner or a suitable liquid detergent. Sand well using 120 grade paper or power wire brush. Clean thoroughly and allow to dry completely. Pre-prime using an International primer as detailed for specific coating systems.

**BARE WOOD/PLYWOOD** Sand smooth with 80-180 and then 280 grade paper. Remove sanding dust by brushing, dusting and wiping, or other suitable method. Clean down thoroughly and ensure surface is dry. Prime using an

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International primer as detailed for specific coating systems.

**REFURBISHMENT** The first coat of Micron 99 should always be applied over a recommended anticorrosive primer system. The primer surface should be dry and free of all contaminants (oil, grease, salt etc) and overcoated with Micron 99 within the overcoating interval specified for the primer.

**REPAIR/UPGRADE** Degrease and high pressure wash at 3000psi/207 bar. Repair corroded areas with the recommended anticorrosive primer system.

#### Hints

**Mixing** Thoroughly stir until product is mixed to a uniform consistency before use.

**Thinning** Thinning is only necessary to aid application (e.g. in cooler conditions) or to prevent premature skinning (e.g. in warmer/windy conditions). In these circumstances, up to 10% Thinner No. 3 can be added. Care must still be taken to ensure the correct DFT is applied as this is essential for performance.

**Cleaner** GTA007

**Airless Spray** Pressure: 176-210 bar/2500-3050 psi. Tip size: 517 to 521.

**Ventilation and Humidity Control** Ensure adequate ventilation during use.

**Other** Antifouling should only be wet sanded. Never dry sand or burn-off old antifouling. True colour will develop after immersion.

#### Some Important Points

To prevent premature failure, ensure the correct amount of paint is applied using the coverage as a guide.

Product temperature should be minimum 5°C/41°F and maximum 35°C/95°F.

Ambient temperature should be minimum 5°C/41°F and maximum 35°C/95°F. Substrate temperature should be 3°C/5°F above dew point and maximum 35°C/95°F.

#### Compatibility/Substrates

For use over suitably primed GRP, Wood, Steel/Iron and lead.

Not suitable for use over Aluminium/Alloy substrates or zinc sprayed surfaces.

Can be applied direct over most types of antifouling, provided they are in sound condition, with the exception of VC17m/PTFE antifouling. Consult your local International Paint representative for specific overcoating advice if you are unsure about compatibility of Micron 99 over your existing coating scheme.

#### Number of Coats

**By Brush/Roller**

Apply 2 coats of 65 microns dry for 12 months (Total DFT of 130 microns)

Apply 3 coats of 65 microns dry for 24 months (Total DFT of 195 microns)

**By Spray**

Apply 1 coat of 130 microns dry for 12 months (Total DFT of 130 microns)

Apply 2 coats of 100 microns dry for 24 months (Total DFT of 200 microns)

**In all schemes, apply an extra stripe coat in areas of high wear such as chines, rudders, sterngear and any leading edges.**

#### Coverage

**By Brush/Roller**

(Theoretical) – 10m<sup>2</sup>/L per coat

(Practical) – 9m<sup>2</sup>/L per coat

**By Spray (Professional only):**

(Theoretical) – 6.7m<sup>2</sup>/L per coat ((for 24 months scheme))

(Practical) – 4m<sup>2</sup>/L per coat ((for 24 months scheme))

(Theoretical) – 5m<sup>2</sup>/L per coat ((for 12 months scheme))

(Practical) – 3m<sup>2</sup>/L per coat ((for 12 months scheme))

#### Recommended DFT per coat

65 microns dry per coat by brush/roller

100 microns dry per coat by spray ((for 24 months scheme))

130 microns dry per coat by spray ((for 12 months scheme))

#### Recommended WFT per coat

100 microns wet per coat by brush/roller

154 microns wet per coat by spray ((for 24 months scheme))

200 microns wet per coat by spray ((for 12 months scheme))

#### Application Methods

Airless Spray, Brush, Roller

### TRANSPORTATION, STORAGE AND SAFETY INFORMATION

#### Storage

**GENERAL INFORMATION:**

Exposure to air and extremes of temperature should be avoided. For the full shelf life of this product to be realised ensure that between use the container is firmly closed and the temperature is between 5°C/41°F and 35°C/95°F. Keep out of direct sunlight.

**TRANSPORTATION:**

The product should be kept in securely closed containers during transport and storage.

#### Safety

**GENERAL:**

Contains biocides. Antifouling should only be wet sanded. Never dry sand or burn-off old antifouling. Read the label safety section for Health and Safety Information, also available from our Technical Help Line.

**DISPOSAL:**

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Do not discard tins or pour paint into water courses, use the facilities provided. It is best to allow paints to harden before disposal.

Remainders of Micron 99 cannot be disposed of through the municipal waste route or dumped without permit. Disposal of remainders must be arranged for in consultation with the authorities.

**IMPORTANT NOTES**

*The information given in this sheet is not intended to be exhaustive. Any person using the product without first making further written enquiries as to the suitability of the product for the intended purpose does so at their own risk and we can accept no responsibility for the performance of the product or for any loss or damage (other than death or personal injury resulting from negligence) arising out of such use. The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.*

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