

Micron 77

Antifouling

Professional SPC Antifouling



PRODUCT DESCRIPTION

Micron 77 is a true SPC (Self Polishing Copolymer) antifouling. The patented Biolux SPC Technology ensures performance for 2 seasons in the harshest fouling conditions and even protects over prolonged stationary periods. Suitable for both fresh and salt water areas, Micron 77 maximises speed and fuel efficiency by continuously smoothing thereby ensuring drag is always minimised. It is formulated to comply with the European Biocidal Products Directive and specifically for application by professional users.

PRODUCT INFORMATION

Colour	YBA475-Black , YBA476-Navy, YBA477-Blue, YBA478-Red
Finish	Matt
Specific Gravity	1.53
Volume Solids	37%
Typical Shelf Life	2 yrs
VOC (As Supplied)	528 g/lit - 541g/lit
VOC (EU Solvent)	348 g/Kg EU Solvent Emissions Directive (Council Directive 1999/13/EC)
Unit Size	5 lt, 20 lt

DRYING/OVERCOATING INFORMATION

	Drying			
	5°C (41°F)	15°C (59°F)	23°C (73°F)	35°C (95°F)
Touch Dry	3 hrs	2 hrs	45 mins	30 mins
Immersion	24 hrs	18 hrs	12 hrs	12 hrs

Note: Max. Immersion Times are as follows: 5-35°C - 6 mths

	Overcoating							
	Substrate Temperature							
	5°C (41°F)		15°C (59°F)		23°C (73°F)		35°C (95°F)	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Micron 77	12 hrs	ext	8 hrs	ext	6 hrs	ext	4 hrs	ext

APPLICATION AND USE

Preparation

PREVIOUSLY ANTIFOULED SURFACE

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 Yachtpaint.com or contact your local International Paint Representative.

BARE GRP Degrease with solvent or suitable detergent cleaner. 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 or suitable detergent cleaner. 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 metal surface with a 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 or suitable detergent cleaner. 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 grade paper 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 International primer as detailed for specific coating systems.

MAJOR REFURBISHMENT The first coat of Micron 77 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 77 within the overcoating interval specified for the primer.

REPAIR and UPGRADING APPROVED SYSTEMS Degrease the surface. Clean the entire area with controlled high

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Method	<p>pressure washing (3000 psi./211 bar). Repair corroded areas with the recommended anticorrosive primer system.</p> <p>Ensure the area is clean and dry. Apply Micron 77 by brush, roller or airless spray within the overcoating intervals specified by the primer. Apply an extra stripe coat in areas of high wear such as chines, rudders, sterngear and any leading edges. Take care to apply all the paint calculated even if it means applying an extra coat. It is important for performance to apply the correct thickness. For ultimate performance apply a total of 6 mils/150 microns Dry Film Thickness to avoid premature polish through. This may be achieved in 2 coats by spray and 3-4 coats by roller.</p>
Hints	<p>Thinning May be thinned between 5-10% to assist application by roller.</p> <p>Cleaner International Antifouling Thinner #3</p> <p>Airless Spray Pressure: 176-210 bar/2500-3050 psi. Tip Size: 2180.</p> <p>Brush/Roller Ensure the total dry film thickness required is achieved. This may require the application of several coats. Apply an extra stripe coat in areas of high wear such as chines, rudders, sterngear and any leading edges.</p>
Some Important Points	<p>Practical spreading rate will vary with method of application and applicator. A theoretical figure of 2.5m²/lt for airless spray should be reduced by 25% to allow for material wastage to give a practical figure of 1.9m²/lt for the full scheme. Do not use below 5°C/41°F. 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 minimum 5°C/41°F and maximum 35°C/95°F. The substrate temperature must be at least 3°C above the dewpoint to prevent condensation.</p>
Compatibility/Substrates	<p>Not suitable for use over Aluminium/Alloy substrates or zinc sprayed surfaces. For further details regarding overcoating of old tin based antifoulings and/or any other antifouling contact International Technical Representative or ring local country Free Technical Help Line.</p>
Number of Coats	<p>2-3 minimum by airless spray. 3-4 minimum by brush/roller.</p>
Coverage	<p>By Brush/Roller: (Theoretical) – 10m²/L per coat (Practical) – 9m²/L per coat</p> <p>By airless spray: (Theoretical) – 5m²/L per coat (Practical) – 3m²/L per coat</p>
Recommended DFT per coat	<p>74 microns dry per coat, by airless spray. 37 microns dry per coat, by brush/roller.</p>
Recommended WFT per coat	<p>200 microns wet per coat, by airless spray. 100 microns wet per coat, by brush/roller.</p>
Application Methods	<p>Airless Spray, Brush, Roller</p>

TRANSPORTATION, STORAGE AND SAFETY INFORMATION

Storage	<p>TRANSPORTATION: Micron 77 should be kept in securely closed containers during transport and storage.</p> <p>STORAGE: Exposure to air and extremes of temperature should be avoided. For the full shelf life of this product to be realized 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.</p>
Safety	<p>GENERAL: Antifoulings should only be wet sanded. Never dry sand or burn-off old antifoulings. Read the label safety section for Health and Safety Information, also available from our Technical Help Line.</p> <p>DISPOSAL: 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 77 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.</p>
IMPORTANT NOTES	<p><i>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.</i></p>

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