

# Micron Navigator Antifouling



## PRODUCT DESCRIPTION

Micron Navigator with Biolux® is a water-based, copper free antifouling formula with all the proven benefits of the Micron antifouling range: long lasting, multi-season polishing protection resulting in superior performance. Micron Navigator utilizes Econeal™ alongside Biolux® Technology to boost antifouling performance in all waters and conditions. Engineered to be faster drying with lower temperature application that delivers the speed, flexibility and convenience for boaters and applicators to meet their schedules. Easily applied over most antifouling paints and can be used on any substrate, including primed underwater metals. Micron Navigator is the ideal antifouling paint you want for the entire bottom of your boat.

## PRODUCT INFORMATION

<b>Color</b>	YBD779-Black, YBD769-Blue, YBD759-Green, YBD749-Red, YBD704-White
<b>Specific Gravity</b>	1.63 kg/lit (average)
<b>Volume Solids</b>	38% (average)
<b>Typical Shelf Life</b>	2 yrs
<b>VOC (As Supplied)</b>	8.89 g/lit (average)
<b>Unit Size</b>	1 US Quart, 1 US Gallon

## DRYING/OVERCOATING INFORMATION

	<b>Drying</b>			
	41°F (5°C)	59°F (15°C)	77°F (25°C)	95°F (35°C)
Immersion	48 hrs	8 hrs	6 hrs	60 mins
Touch Dry [ISO]	1.5 hrs	60 mins	30 mins	15 mins

**Note:** Drying times are based on humidity levels of 50% RH. Drying/immersion times will vary depending on relative humidity. At higher humidity, the drying/immersion times will be greater at all application temperatures. For example, at 85% RH, immersion times are recommended as follows: 5°C - 96 hours, 15°C - 48 hours, 23°C - 36 hours and 35°C - 4 hours. Humidity might be higher first thing in the morning and before or after rain. Maximum time to immersion is 6 months at which time, a light fresh water wash is recommended, although the vessel can be immersed without washing.

	<b>Overcoating</b>							
	<b>Substrate Temperature</b>							
	41°F (5°C)		59°F (15°C)		77°F (25°C)		95°F (35°C)	
Overcoated By	Min	Max	Min	Max	Min	Max	Min	Max
Micron Navigator	6 hrs	ext	4 hrs	ext	2 hrs	ext	60 mins	ext

## APPLICATION AND USE

### Preparation

#### PREVIOUSLY ANTIFOULED SURFACE

**In Good Condition:** Remove all traces of loose paint and contamination by sanding the entire surface well with 80 grit sandpaper. Remove sanding residue.

**In Poor Condition:** Completely remove all old antifouling paint with paint stripper and proceed with application system for bare work as described below.

**BARE FIBERGLASS (POLYESTER OR VINYLESTER) OR EPOXY:** Scrub the surface thoroughly with soap and water using a stiff brush. Apply Fiberglass Surface Prep YMA601V with a 3/8" nap roller on surface to be dewaxed, work in 10x10 foot areas. Ensure YMA601V is removed before drying. Scrub Fiberglass Surface Prep YMA601V using a 3M Doodlebug™ and a brown Scotch-Brite® pad. Once all areas have been thoroughly scrubbed, use wet rags or spray down with high pressure rinse to remove all traces of Fiberglass Surface Prep YMA601V. Change rags frequently. Wipe down with clean cloths. Repeat the cleaning process until water no longer beads. Surface must be clean and dry prior to application of Micron Navigator. See the Simple No Sand System Technical Bulletin for more information.

**BARE FIBERGLASS - Simple No Sand System:** Prepare surface as described above. Apply the Micron Navigator within 4 hours of cleaning. If this time is exceeded, rinse with fresh water and allow to dry. If exceeding 2 months between de-waxing and painting, repeat cleaning prior to application of Micron Navigator.

**BARE FIBERGLASS - BLISTER PREVENTION SYSTEM:** Clean the surface following the preparation procedure above. Sand with 80 grade (grit) paper. Remove sanding residue. Apply Interprotect 2000E to a thickness of 10 mils.

**BARE WOOD:** Sand with 80 grade (grit) paper. Remove sanding residue. Apply the first coat of Micron Navigator thinned 10% with water. Fill seams, if necessary, with Seam Compound Brown 30. Apply 2 more coats of Micron Navigator unreduced, allowing the appropriate dry times between coats. Alternatively, prime with Interprotect or Primocon prior to application of Micron Navigator.

**ALUMINUM/UNDERWATER METALS:** Gritblast or sand with medium grade (grit) emery cloth to a bright metal finish and wipe clean. Apply one coat of Interprotect 2000E that has been thinned 15-20% with Reducing Solvent 2316N. Apply the Interprotect the same day as blasting or sanding. Apply 3-4 additional coats of Interprotect 2000E, unthinned. When the

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	Interprotect 2000E is thumbprint tacky apply the first coat of Micron Navigator. Apply second coat of Micron Navigator following the proper dry times.
<b>Hints</b>	<b>FACTORY FINISHED ALUMINUM:</b> Prime with Primocon. Apply 2 coats of Micron Navigator following drying times. <b>Mixing:</b> Shake or stir thoroughly before use, using a wooden or plastic stirring stick. Leave to stand for 10 minutes for air bubbles to disperse. <b>Thinner:</b> Thinning is not recommended unless for Bare Wood (see preparation section). <b>Other:</b> Antifouling should only be vacuum sanded or wet sanded. Never burn-off old antifouling. True color will develop after immersion. To prevent premature failure, ensure correct amount of paint is applied using the coverage as a guide.
<b>Some Important Points</b>	When sanding antifouling paint use a vacuum sander that is attached to a properly maintained industrial vacuum with HEPA filters; if hand sanding of antifouling paint is necessary, wet sand only. Wear the proper Personal Protective Equipment. Never burn-off old antifouling paints. Do not apply when raining or if rain is imminent. Do not apply between tides. Care must be taken to ensure adequate ventilation is provided for sufficient drying conditions.
<b>Compatibility/Substrates</b>	For use on fiberglass, wood and properly primed metal surfaces including aluminium.
<b>Number of Coats</b>	2 coats for multi-season performance when the recommended DFT is applied.
<b>Coverage</b>	(Theoretical) – 408 ft <sup>2</sup> /gal - Brush and Roller
<b>Recommended DFT per coat</b>	1.5 mils dry per coat.
<b>Recommended WFT per coat</b>	4 mils wet per coat.
<b>Application Methods</b>	Brush, Roller

## TRANSPORTATION, STORAGE AND SAFETY INFORMATION

<b>Storage</b>	<b>GENERAL:</b> Exposure to air and extremes of temperature should be avoided. For the full shelf life of Micron Navigator 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.  <b>TRANSPORTATION:</b> The product should be kept in securely closed containers during transport and storage.
<b>Safety</b>	<b>GENERAL:</b> Read the label safety section for Health and Safety Information, also available from our Technical Help Line. Contains biocides. Use biocides safely. Antifouling should only be vacuum sanded or wet sanded. Never burn-off old antifouling. Correct PPE must be worn during application. Although equipment can be cleaned with water, the contaminated water must not be allowed to enter water courses. Always read the label and product information before use.  <b>DISPOSAL:</b> 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 this product 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.
<b>IMPORTANT NOTES</b>	<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>