

Micron 350

Antifouling

Premium Self Polishing Copolymer (SPC) Antifouling



PRODUCT DESCRIPTION

Micron 350 is an antifouling product effective against fouling organisms; slime, aquatic plants and animals. A Premium Self Polishing Copolymer (SPC) antifouling suitable for professional and consumer application onto vessels in fresh and salt water.

The continuously polishing system provides up to 2 years performance, avoiding paint build up. The ever-smoothing surface ensures that drag is always minimised whilst maintaining optimum biocide release including in stationary periods. Can be applied up to 12 months before launch.

PRODUCT INFORMATION

Colour	YBB623-Black, YBB624-Navy, YBB625-Blue, YBB626-Green, YBB629-Red
Finish	Low Sheen
Specific Gravity	2.2 average
Volume Solids	62% average
Typical Shelf Life	2 yrs
VOC (As Supplied)	333 g/L average
VOC (EU Solvent)	153g/Kg EU Solvent Emissions Directive (Council Directive 1999/13/EC)
Unit Size	750mL, 2.5L, 5L, 20L

DRYING/OVERCOATING INFORMATION

	Drying			
	5°C (41°F)	15°C (59°F)	23°C (73°F)	35°C (95°F)
Touch Dry	1 hrs	45 mins	30 mins	20 mins
Immersion	24 hrs	18 hrs	10 hrs	8 hrs

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

Micron 350 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 350	16 hrs	ext	10 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 high pressure fresh water wash (3000 psi/207 bar) and/or scraping and wet sanding with typically 80-120 grade paper. Do not dry sand. If old antifouling is incompatible or unknown, seal with suitable International Paint barrier/sealer coat.

In Poor Condition: Use Interstrip to remove all traces of antifouling.

PRIMING: All preparation for bare substrates is covered on the appropriate primer datasheet.

BARE GRP: Prime with Gelshield 200 for osmosis protection, or Primocon or Interprotect.

STEEL/IRON/LEAD/WOOD: Prime with Interprotect or Primocon.

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: YTA085 International Antifouling Thinner No.3.

Ventilation and Humidity Control: Ensure adequate ventilation during use.

Airless Spray (Professional only): Pressure: 176-220 bar/4500-5500 psi. Tip size: 517 to 521

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 minimum 7°C/45°F and maximum 35°C/95°F.

If you are regularly travelling at high speed (eg 30 knots) you might experience early wear through. Consult your local International Paint Representative for further advice if you are unsure about the suitability of Micron 350 for your specific

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requirements.

Avoid excessive build-up of aged antifouling layers as solvents in fresh antifouling layer can soften underlying layers, contributing to unsightly sling marks.

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 350 over your existing coating scheme.

Number of Coats

By Brush/Roller

Apply 2 coats of 60 microns dry for 12 months (Total DFT of 120 microns)

Apply 3 coats of 60 microns dry for 24 months (Total DFT is 180 microns)

By Spray (Professional only)

Apply 1 coat of 120 microns dry for 12 months (Total DFT of 120 microns)

Apply 2 coats of 90 microns dry for 24 months (Total DFT of 180 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) - 10 m²/L per coat

(Practical) - 9 m²/L per coat

By Spray (Professional only):

(Theoretical) - 6.67m²/L per coat (for 24 months scheme)

(Practical) - 4m²/L per coat (for 24 months scheme)

(Theoretical) - 5.17m²/L per coat (for 12 months scheme)

(Practical) - 3.1m²/L per coat (for 12 months scheme)

Recommended DFT per coat

60 microns dry per coat by brush/roller

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

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

Recommended WFT per coat

97 microns wet per coat by brush/roller

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

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

Care must be taken not to over-apply and to follow the recommended film thickness.

Application Methods

Airless Spray (Professional only), 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 Micron 350 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. Read the label safety section for Health and Safety Information, also available from our Technical Help Line.

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 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.

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.

Please refer to your local representative or visit www.yachtpaint.com for further information.

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