

# Thin Film

## Antifouling

### PRODUCT DESCRIPTION

Thin Film is an antifouling product effective against fouling organisms; slime, aquatic plants and animals. A Hard Antifouling suitable for professional and consumer application onto vessels in fresh and salt water. Easy application with no sanding between coats. Quick drying for rapid overcoating and flexible launch times. The smooth film provides a hard scrubbable finish for increased speed and efficiency. Ideal for racing sailors and powerboats.

### PRODUCT INFORMATION

<b>Colour</b>	YPL020-Graphite
<b>Finish</b>	Matt
<b>Specific Gravity</b>	1.51 average
<b>Typical Shelf Life</b>	2 years
<b>Volume Solids</b>	36% average
<b>Converter/Curing ratio</b>	YPL921 – 750mL pack size, YPL921 – 2L pack size
<b>VOC (as supplied)</b>	560.2 g/L average
<b>VOC (EU Solvent)</b>	368.3 g/kg average EU Solvent Emissions Directive (Council Directive 1999/13/EC)
<b>Unit Size</b>	750mL, 2.0L

### DRYING/OVERCOATING INFORMATION

#### Drying

	5°C (41°F)	15°C (59°F)	23°C (73°F)
Touch Dry	1 hr	30 mins	20 mins
Immersion	6 hrs	3 hrs	2 hrs

**Note:** Max. Immersion Times are as follows: 5-35°C – 6 months

#### Overcoating Ambient / Substrate Temperature

Overcoated By	5°C (41°F)		15°C (59°F)		23°C (73°F)		35°C (95°F)	
	Min	Max	Min	Max	Min	Max	Min	Max
Thin Film	16 hrs	Ext.	10 hrs	Ext.	6 hrs	Ext.	4 hrs	Ext.

### APPLICATION AND USE

#### Preparation

**OTHER ANTIFOULINGS** Check for sound condition.

**BARE GRP** Clean and fully degrease the surface. Lightly sand with 240 grade paper. Rinse with fresh water and allow to dry. Prime with suitable primer to protect against osmosis.

**STEEL/LEAD** Prime with anti-corrosive primer.

**WOOD** Prime with suitable primer.

#### Hints

**Mixing** Stir well before use. Pour the powder (stored under the plastic hat) into the can. Stir or shake thoroughly. Once mixed, the product can be used for up to 7 days, provided it is stored with the lid on and mixed thoroughly before application.

**Airless Spray** Pressure: 176-210 bar. Tip Size: 517 - 521.

**Conventional Spray** Pressure: 2-3 bar. Tip size: 1.5-1.8mm.

**Other** For Airmix spray application: Pressure: 2 bar. Tip Size: 20113.

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<b>Some Important Points</b>	<p>True colour will develop after immersion. 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. 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 1°C above dew point and maximum 35°C.</p>
<b>Compatibility/Substrates</b>	<p>Suitable for use on GRP, Wood, Steel/Iron and Lead. Not suitable for use over Aluminium/Alloy and Zinc-sprayed surfaces. Can be applied direct over most types of antifouling, provided they are in sound condition, with the exception of PTFE antifouling.</p>
<b>Application Methods</b>	<p>Airless Spray (Professional only), Conventional Spray (Professional only), Roller</p>
<b>Number of Coats</b>	<p><b>By Roller:</b> Apply 2 coats of 30 microns dry for 12 months (Total DFT of 60 microns)</p> <p><b>By Spray: (Professional only)</b> Apply 1 coat of 60 microns dry for 12 months (Total DFT of 60 microns)</p> <p><b>In all schemes, apply an extra stripe coat in areas of high wear such as chines, rudders, sterngear and any leading edges.</b></p>
<b>Recommended DFT per coat</b>	<p>30 microns dry per coat roller 60 microns dry per coat by spray</p>
<b>Recommended WFT per coat</b>	<p>83 microns wet per coat by roller 167 microns wet per coat by spray</p>
<b>Coverage</b>	<p><b>By Roller:</b> (Theoretical) – 12m<sup>2</sup>/L per coat (Practical) – 10.8m<sup>2</sup>/L per coat</p> <p><b>By Spray: (Professional only)</b> (Theoretical) – 6m<sup>2</sup>/L per coat (Practical) – 3.6m<sup>2</sup>/L per coat</p>

## TRANSPORTATION, STORAGE AND SAFETY INFORMATION

<b>Storage</b>	<p><b>GENERAL INFORMATION</b> 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.</p> <p><b>TRANSPORTATION</b> The product should be kept in securely closed containers during transport and storage.</p>
<b>Safety</b>	<p><b>GENERAL</b> 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 on the Safety Datasheet.</p> <p><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. Reminders of this product cannot be disposed of through the municipal waste route or dumped without permit. Disposal of reminders must be arranged for in consultation with the authorities.</p>
<b>IMPORTANT NOTES</b>	<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>