

# PROFESSIONAL EXPLORER

## Polishing antifouling

### TECHNICAL DATA SHEET

#### DESCRIPTION

High performance antifouling product. Its controlled polish rate makes the application of multiple coats unnecessary. **Its formula offers protection for up to 24 months and it can be applied up to 6 months before launch.** Suitable for application to all substrates below the waterline, including aluminium (hull, propeller, thruster).

#### Thinner / Cleaner

**Thinning:** Thinning is not recommended. Antifouling performance can be compromised if correct dry film thickness is not applied. For spray application, PROFESSIONAL THINNER can be used to ease application.  
**Cleaner:** PROFESSIONAL THINNER

#### Surface conditions



#### 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 PROFESSIONAL PRIMER PROTECT. **In Poor Condition:** Remove all traces of antifouling.

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

**BARE GRP, EPOXY, CARBON FIBRE:** Prime with PROFESSIONAL EPOXY PROTECT or PROFESSIONAL PRIMER PROTECT.

**STEEL/ALUMINIUM/LEAD/WOOD:** Prime with PROFESSIONAL EPOXY PROTECT or PROFESSIONAL PRIMER PROTECT.

#### INSTRUCTIONS FOR USE

##### Mixing

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



##### Immersion Time

**8 hours minimum** at 23°C  
**24 hours minimum** at 15°C  
**28 hours minimum** at 10°C  
**Maximum 6 months**



##### Dry Film Thickness (DFT)

60 microns dry by roller/brush(120 microns wet)  
90 microns dry by airless spray gun (160 microns wet)

#### APPLICATION RECOMMENDATIONS



##### Conditions

**Temperature :** 15-35°C

**Ventilation and Humidity Control :** Ensure adequate ventilation during use. Substrate temperature should be 3°C above dew point and maximum 35°C.



##### Application Methods

Airless spray gun, roller, brush

**Airless spray gun :** Pressure 176-220 bar / 2500-3200 psi. **Tip size:** 517-521

##### Number of Coats

#### By roller/brush

Apply 2 coats of 60 microns dry for 12 months (Total DFT of 120 microns) or 3 coats of 60 microns dry for 24 months (Total DFT of 180 microns).

#### By airless spray gun (Professional only)






Apply 1 coat of 90 microns dry for 12 months (Total DFT of 90 microns) or 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.


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### PHYSICAL PROPERTIES

	Drying Times (touch dry)	<b>30 minutes:</b> at 23°C
	Minimum Overcoating Times (with itself)	<b>6 hours:</b> at 23°C <b>18 hours:</b> at 15°C <b>20 hours:</b> at 10°C
	Theoretical spreading rate	<b>By roller/brush:</b> 8.8m <sup>2</sup> /L per coat <b>By airless spray gun:</b> 6m <sup>2</sup> /L per coat
	Volatile Organic Compounds	<b>VOC (As Supplied)</b> 424 g/L average <b>VOC (EU Solvent)</b> 298 g/Kg average EU Solvent Emissions Directive (Council Directive 1999/13/EC)
	Colours	Black Navy Red Grey Green True colour will develop after immersion

### GENERAL INFORMATION

	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 and 35°C. Keep out of direct sunlight. This product should be kept in securely closed containers. 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 and maximum 35°C. Ambient temperature should be minimum 5°C and maximum 35°C.
	Transportation	This product should be kept in securely closed containers during transport
	Compatibility / Substrates	Suitable for all listed substrates (cf Surface conditions) including suitably primed 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.
	Shelf Life	2 years
	Safety Precautions	Contains biocides. Antifouling should only be wet sanded. Never dry sand or burn off old antifouling. Comply with all local safety, disposal and transportation regulations. Check the Material Safety Data Sheet (MSDS) and label of the individual products carefully before using the products. The MSDS's are available on our website or on request. The information given in this sheet is not exhaustive and can be modified when necessary. <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 remainders must be arranged for in consultation with the authorities.