



### WHAT IS IT FOR:

**ELICA** is a foul release top coating especially designated for protection of power boat propellers and running gear

### KEY FEATURES

- Foul Release
- Omniphobic
- Abrasion Resistant
- Chemical Resistant
- Anticorrosion protective.
- TBT Biocides Free
- Average life service 3 years

### APPLICATION PLUSES

- easy to apply by brush or roller
- do-it-yourself's and not just for the professional applicator (spray gun).
- easy to maintain, no need for a complete re-coating to fix local issues.
- longer dry dock maintenance intervals and shorter time to re-coat



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## PRODUCT & APPLICATION DATASHEET

# ELICA-ITALYMARINE™

Foul-release coating for propellers and underwater metal assets

### Key Characteristics

**ELICA-ITALYMARINE** is a self-polishing acrylic copolymer (SPC) 2K foul-release topcoat, especially designed for propeller blades for power boats leading to reduce drag and eliminate fouling altogether.

It is a highly effective foul-release long-lasting top coating to prevent marine growth and metal assets from corrosion, and features an exceptionally strong chemical and mechanical bond with the metal substrate ensuring a super hard slick surface that marine growth cannot adhere to.

The heavy duty protection is meant for propellers, rudders, shafts, struts, trim tabs, pod drives, thrusters, foils and sail drives.

Moving surfaces are entirely self cleaning and free from marine growth from 10 knots upward, and the coating may last over 4000-5000 hours of motor time at high rpm's without the need of re-coating.

If applied correctly it ensures that power boats can run at peak speed and maintain propeller efficiency travel top performance at all the time. (30% FUEL SAVINGS)

This durable self-cleaning anti-corrosion properties of Elica-Italymarine extends life service, thus regular maintenance can be scheduled over longer 3-4 years periods of time.

### Product Information

**ELICA-ITALYMARINE** is an environmentally safe long life foul-release coating which prevents the attachment of marine growth by low critical surface tension. It does not contain copper or tin compounds TBT or any other toxic substances which might cause environmental pollution.

**ELICA-ITALYMARINE** is quick and easy to apply because it is a single layer coating that combines into one product both the base coat and the top coat and does not require a complete and thorough removal of the previous anti-fouling coating before application

### Physical Features at supply

Binder type <sup>[1]</sup>	Acrylic - 2K bicomponent product
Appearance	Glossy- medium viscosity liquid
Colour	Orange or Transparent
Odour:	Typical (N-butyl acetate)
Supply Vx	23 ± 3" CF/16 at 20°C
Flash point	23 °C ≤ Fp ≤ 55 °C
Specific Density	0,950 ± 0,030 Kg/l at 20°C
VOC Content	415g/l
Solids by volume	70± 1%

[ 1 ] Elica Italymarine™ does not contain following substances Copper Oxide (n.CAS 1317-39-1); Copper Pyrithone (n. CAS 14915-37-8); Tributyltin (TBT) compounds

### Dry Product Features

Dry film thickness	50-80 µm - Apply two hands
Finish	Gloss 95%
UV Resistance	< 3% degradation over a 10-year period
Hardness	F-H total hardening after 24-36 in open air room temp Shore D hardness >80
Coverage	120 gr. of catalyzed product cover 1 sq.m. (thickness 70µm DFT)

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The Technical Data Sheet (TDS) is recommended to be read in conjunction with the Material Safety Data Sheet (MSDS)



## SERVICES

24/7 available  
on line 24/7  
Tel: +39 331 1699006A  
Email: [support@italymarine.it](mailto:support@italymarine.it)

## Application Support

Training on the job at Italian  
Headquarters  
LEINI' (TO) ITALY  
Make an appointment  
Tel: +39 335 353527

## Technical & Commercial

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our products or services  
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[www.italymarine.it](http://www.italymarine.it)



Scan for **MSDS** Material  
Safety Data Sheets



# PRODUCT & APPLICATION DATASHEET

## Instruction for use

<b>SURFACE PREPARATION</b>	Remove any contamination that might interfere with the adhesion of the coating such as old antifouling layers. Remove any oils, grease, etc. by cleaning with high pressure fresh water to carefully eliminate all traces of dust/particulate residues Rough the metal substrate with 180 to 220 grit sandpaper and finish with 500 grit sandpaper <b>IMPORTANT:</b> pickle and clean the surface with a solvent, acetone or with a commercial product recommended for cleaning painted surfaces. Dry and remove dust with a clean, dry cloth. <b>REWORK:</b> It is possible to repair a locally damaged area only if the pre-existing coating is already ELICA-ITALYMARINE. In this case the portion of the surface must be prepared locally but it is not necessary to completely remove the pre-existing coating.		
<b>CATALYSER MIX (component A+B)</b>	ELICA ITALY MARINE is a two component coating. Mix ration is <b>ELICA-ITALY MARINE (100%) + CATALIZZATORE 34 (30%)</b> Use adequate mixing stick to thoroughly mix the two components together. <b>VERY IMPORTANT NOTICE:</b> Always remember to close the CATALIZZATORE 34 bottle immediately after use. (If exposed <b>lenthly</b> to air the product will become foul and useless)		
<b>APPLICATION METHODS</b>	Application by brush or roller is recommended	2 coating hands required	
	For very large surfaces the product can be applied also HVLP Airless spray gun - only PROFESSIONAL USE -	Nozzle tip 1,3 -1,7 mm	Pressure at nozzle (minimum) 3,0 bar /43,51 psi
<b>DRYING TIME</b>	Minimal time for complete curing before launching -immersion in water	24 hours	
	Relative humidity recommended for application	below 85 %	
<b>COVEREGE</b>	SMALL KIT 300 gr.	coverage is ~ 2 sqm with double coat	
	MEDIUM KIT 650 gr.	coverage is ~ 5 sqm with double coat	
	LARGE KIT 1300 gr.	coverage is ~ 10 sqm with double coat	
<b>APPLICATION TIPS</b>	Application temperature range	between 0°C -45°C	
	Flash Time (Flash-off time is the necessary waiting time taken to recoat or spray once a first coat is applied ) Do NOT apply a second coating layer on previously dry layer	10-60 @ at ambient temperature approx 25 °C	
	Pot life after ELICA ITALYMARINE and CATALIZZATORE 34 have been mixed together	maximum 90 minutes	
	As dictated by normal good painting practice always provide adequate ventilation during application and drying In confined spaces	Consult MSDS Material Safety Data Shee before applying	
	Always wear paper paint suits ; disposable gloves ; Eye Protection dust sanding mask		
<b>STORAGE INSTRUCTIONS</b>	Packaging	Inner package jerry cans outer package fiberboard boxes	250 ml; 500 ml; 1000ml
	Shelf life	Recomended storage temperature	between 3°C -40° C
	Product stability	<b>IM.TOP.08 ELICA-ITALYMARINE</b>	5 years in original packaging UNOPENED
		<b>IM.CAT.34 CATALIZZATORE 34</b>	3 years in original packaging UNOPENED  < 60 minutes if left OPENED to exposed to air

**CAUTION** The applicators and operators shall be trained, experienced and have the capability and equipment to mix/ stir and apply the coatings correctly and according to New Fantachrome technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product.

**HEALTH AND SAFETY** Please observe the precautionary notices displayed on the container and on MSDS Material Safety Data Sheets for each product. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser. Eyes should be well flushed with water and medical attention sought.

**WARRANTY & LIABILITY LIMITATIONS** Information contained herein is accurate to the best of our knowledge. The coating properties and cured coating properties listed herein represent typical values for ELICA-ITALYMARINE and are not meant as specifications. New FantaChrome International Srl insists that users conduct their own tests for applicability and fitness for any purpose. Statements concerning use of products or formulations described herein shall not be construed as a warranty or license to infringe any patent or trademark, and no liability for infringement arising out of such use is assumed. Please refer to New FantaChrome Internationa Standard Terms and Conditions or to your Purchase Agreement with New FantaChrome International for the warranty coverage of New FantaChrome International's products.