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# Technical Data Sheet

## ELICA-ITALYMARINE™

Foul-release coating for propellers and underwater metal assets

### PRODUCT INFORMATION

Product Name	ELICA-ITALYMARINE
Product Code	IM.TOP.08
Product Line	ITALYMARINE Series 8
Applications	Foul-release coating for propellers and underwater metal assets

### PHYSICAL FEATURES AT SUPPLY

Binder type <sup>[1]</sup>	Acrylic - 2K bicomponent product
Appearance	Glossy- medium viscosity liquid
Colour <sup>[2]</sup>	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	420g/l
Solids by volume	70± 1%

### APPLICATION INSTRUCTIONS

Hardener -catalyst	CATALIZZATORE 34
Product Code	IM.CAT.34
Mix ratio	30% in weight
Application viscosity	19± 2" CF/4 at 20°C
Application tools	Brush roller or pistola spray HVLP only for PROFESSIONAL USE
Coat Numbers	2 alternate coat layers
Maximum Flash time	15 minutes
Optimal application temp.	between 16°C - 32°C
Pot -life	~ 2 hours at 20°C
Curing Cycle <sup>[3]</sup>	24-36 ore s at 20°C- 25°C

### DRY PRODUCT FEATURES

Substrate <sup>[4] [5]</sup>	Especially for metal marine propellers stainless steel copper bronze aluminum
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 harding 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)

### STORAGE INSTRUCTIONS

Packaging	HDPE bottles 250 ml ; 500 ml; 1000 ml
Shelf life	Store products between a min 3°C max 40°C
Product Stability	ELICA-ITALYMARINE 5 years in original package NON opened CATALIZZATORE 34 3 years in original package NON opened
Safety Instructions	Read MSDS Material safety data sheet carefully before using products

#### Special Notes:

- [1] According to our formulation ELICA-ITALYMARINE does not contain any of the following substances:  
Copper Oxide (n.CAS 1317-39-1) ; Copper Pyrithone (n. CAS 14915-37-8) ; Tributyltin (TBT) compounds
- [2] ELICA-ITALYMARINE come in two variants orange color or transparent
- [3] Complete hardening and solvent evaporation occurs after 12 hours 48 hours are recommended before watering
- [4] ELICA- ITALYMARINE is a 2K product suitable for direct coating on metal steel, aluminum, stainless steel, bronze galvanized metal.
- [5] Surface preparation is of mandatory importance, surface should be scrubbed sandpaper grit 260-300 and final grit 500 and then thorough pickling with suitable metal cleaning mineral spirit is recommended.

**DISCLAIMER:** The above information provided herein is based on the present state of our knowledge and practical experience. Since the product is often used under different conditions beyond our control. We cannot guarantee anything but the quality of the product itself. All the rights are reserved to change the data without any notice.

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