



Application Datasheet

SCUDOMARINE 102AF HULL-TOP ANTI-FOULING SERIES 8

DESCRIPTION

ScudoMarine™ 102AF. Is self-cleaning antifouling hard coat especially designated for reducing fouling on all underwater surfaces both static and fast moving.

FEATURES

- Abrasion & Chemical Resistant
- Anticorrosion
- Premium Weather ability
- Expected functional life of the coating is 4-5 years

TYPICAL USE

Recommended for marine hull coating of motor and sails boats and ships, ballast tanks and fast moving components such as propellers, hydrofoils etc..

Can be used for offshore static applications such as docks, platforms oil underwater lighting aquariums, swimming poolssubmarine power cables, interior coating of water tanks

Key Characteristics

ScudoMarine™ 102AF is a Self-Polishing Copolymer (SPC) 2K Antifouling topcoat, from keel to light load line on ships trading in both cold and temperate waters with short idle periods. It has especially designated to create a very hard non porous surface so slippery that no marine species can stick. The coating is effective protection on offshore structures such as jetties, cables and prevents sheathing and prolongates life time. The coat is resistant to wear and abrasion and harsh and frequent abrasive scrubs to remove the accumulating hard marine growth especially on static underwater structure are no longer needed Only a very mild wipe completely can remove the micro-marine organisms that are unable to anchor themselves to the surfaces. Moving surfaces (hulls, propellers, foils) are entirely self cleaning from 20 knots upward. The coating is extremely hard, smooth permanently reduces resistance, drag and speed loss.

This self cleaning property also eliminates the need to dry re-dock the ships regularly. Extraordinary maintenance can be scheduled over longer 4-5 years periods of time

Product Information

- **Biocide- free product does not contain TBT and Copper Oxide;**
- Self Polishing / Cleaning
- High abrasion & chemical resistance
- Anti- Corrosion protection to saltwater and salt spray.
- Omni-phobic; hydrophobic
- Easy to apply by HVLP spay gun.
- Significantly reduces need for re-hauling and dry dock inspection
- Maintenance intervals can be extended from 3 to 5 years

Physical Features at supply

Binder type	Acrylic - 2K Product
Appearance	Glossy- medium viscosity liquid
Colour	Transparent
Supply Vx	23 ± 3" CF/4 at 20°C
Flash point	25°C
Specific Density	0,990 ±0,030 Kg/l at 20°C
VOC Content	455g/l
Solids by volume ^[1]	70± 1%

Special Note:

[1] ScudoMarine™ 102AF does not contain following substances Copper Oxide (n.CAS 1317-39-1); Copper Pyrrhthone (n. CAS 14915-37-8);Tributyltin (TBT) compounds

Dyr Product Features

Dry film thickness	70-100 µm
Finish	Gloss 99%
Resistance to abrasion	4mg/cycle Taber Wear Index (ASTM D4060)
Tintable	Can be custom tinted in any RAL Paint Color with CME PIGMENTS
Coverage	6 sq.m./litre coat for thickness 70µm DFT



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Application Data Sheet

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Instruction for use

SURFACE PREPARATION	Remove any contamination that could interfere with the top coating adhesion. Existing old self-polishing or ablative antifouling: Remove possible oil and grease etc. by high-pressure fresh water cleaning for thorough removal of any possible weak structure of leached antifouling. Carefully sand the surface with medium /course grit paper (400-600) Allow the surface to dry very well before coating. Sealer: Whether to use a sealer coat/tiecoat or not depends on the type and condition of the existing antifouling. It can be applied directly to a well prepared surface that has been sanded to a perfectly flat, fine uniform finish.				
RE-DOCKING	At later redocking direct overcoating IS NOT possible and the surface must be prepared as described in step 1				
CATALYSER (Hardner)	Mix ratio 5:2 SCUDOMARINE 102 AF (100%) + SCUDOMARINE CATALYST 8SC (40%) Shake well before use.				
THINNING	Thinning is not required. Only under exceptional circumstances like high temperature (> 45° C), thinning can be necessary up to 10- 15% by volume. In this case ask for advice directly to support@chromame.it Note that dilution has a direct effect on the thickness of the antifouling coating. The proper way of governing the film thickness is to sub-divide the areas to be painted and calculate the amount of paint to be applied on each sub-divided area. The exact amount of paint calculated shall be applied evenly on the area.				
APPLICATION METHODS	Brush; Roller HVLP Airless spray gun - only PROFESSIONAL USE Nozzle tip 1,3 -1,7 mm Pressure at nozzle (minimum) 3,0 bar /43,51 psi				
OPERATING ENVIRONMENT	As dictated by normal good painting practice. In confined spaces provide adequate ventilation during application and drying. Recommended conditions for application are 20 – 25°C (68 - 77°F) and 30 – 60% relative humidity.				
DRY DOCKING DRYING & CURING TIME	The ship may be floated when the paint is dry usually after 12 hours. Undocking may be postponed for a few days at low temperature, or when not exposed to direct sun light	5° C	10° C	23° C	40° C
	Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.	1h	2h	1h	30min
	Dried /cured for immersion Minimum time before the coating can be permanently immersed in sea water.	24h	18h	12h	12h
	Drying and curing times are determined under controlled temperatures and relative humidity below 85 %, and at average of the DFT range for the product.				
Important Note The recommended shortest time before the next coat can be applied. Is maximum between overcoating is 30-60 minutes . Do NOT apply a second coating layer on previous dry layer					
Pot life after catalyzer mixing is max 2 hours					

SCUDOMARINE™ 102AF HULL-TOP 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, T T or any other toxic substances which might cause environmental pollution.



Scan for Antifouling Tests 2022 **VIDEO**



Scan for **TDS** Technical Datasheets



Scan for **MSDS** Material Safety Datasheets

CAUTION This product is for professional use only. 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 ChromaMe 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, soap and water. 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 AF201 and are not meant as specifications. ChromaMe Srls 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 ChromaMe Standard Terms and Conditions or to your Purchase Agreement with ChromaMe for the warranty coverage of ChromaMe's product.