

# PROMASTER ULTIMATE AFC-13102

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## PRODUCT DESCRIPTION & USES

**PROMASTER ULTIMATE AFC-13102** is a tin free anti fouling paint incorporated with cuprous oxide and bio-active material with self-polishing property under forward fusion hydrolysis special release controller for long protection towards marine organisms in service. Suitable for vessels sailing in global trade and with short idle periods. As an anti-fouling from keel to deep line on ships, tug boat, offshore equipment to prevent of marine growth.

## FEATURES

- TBT Free Anti Fouling.
- Excellent Anti Fouling Period (For Detail Consult PROPAN)
- Flexible and Weathering Resistance
- Excellent Adhesion to Preceding Coat
- Not Recommended to Apply Directly Over Steel or Zinc Rich Primers
- Complies with IMO Anti Fouling System Convention – 2001
- Suitable to Apply on Ferrous and Non-Ferrous Substrate with Proper Epoxy Primer and Epoxy Under Coat as Coating System

## PRODUCT SPECIFICATION

Colours : Red Brown and Light Red  
Finish : Matt  
Volume Solid : 72 ± 2%  
Specific Gravity : 1.65 ± 0.04 g/cc  
Flash Point : 27 °C  
Packaging : 5 & 20 Liters  
Storage Stability : 12 Months. If it is stored in cool and dry place, also in its original not opened package. (Do not store below freezing point)

## APPLICATION

Application Condition : 25 – 35 °C, 60 – 80 % RH  
Thinner : THSG-90300, etc.  
Application Method : Airless Spray                      Brush/Roller  
Thinning Ratio by Volume : 5 – 10 %                      0 – 10 %  
Tip Size for Airless Spray Gun : 0.017 – 0.019 inch                      Air Pressure : approx. 160 bar/2300 psi  
Wet Film Thickness (WFT) : 173 – 208 microns or 7.1 – 8.5 mills  
Dry Film Thickness (DFT) : 125 – 150 microns or 5.1 – 6.1 mills  
Theoretical Coverage : 5.76 m<sup>2</sup>/liter (DFT = 125 microns)

## FILM PROPERTIES

Drying Time (@ DFT = 125 mic)	<b>20°C</b>	<b>30°C</b>	<b>40°C</b>
• Surface Dry	35 – 45 minutes	20 – 30 minutes	10 – 20 minutes
• Hard Dry	5.5 – 7 hours	3 – 4 hours	2 – 3 hours

Re-coating Interval : Minimum 6 hours (30°C)  
Flooding Time : Maximum 30 days (30°C)\*

Provide adequate ventilation during application and drying.

\*Must do water flushing everyday/avoid sunlight and heat directly

\*For more details please contact PROPAN Technical Supervisor

## RECOMMENDED COATING SYSTEM

Primer Coat	: According to Specification
Under / Tie Coat	: <b>PROGUARD UNDERCOAT EPU-30101</b>
Finish Coat	: <b>PROMASTER ULTIMATE AFC-13102</b>
Recommended Dry Film Thickness	: 1 coat (125 microns / coat)*

\*For more details please contact PROPAN Technical Supervisor

## Special Note :

Antifoulants are typically applied over epoxy anti corrosive coating. The optimum time to over coat with an antifoulant is when the epoxy "touch tacky". If the touch tacky time has been exceeded, you can generally re-prime/refresh the first coat of epoxy with a fresh coat of itself. The longer the epoxy has to cure. Particularly in sunlight exposure or elevated the higher risk inadequate adhesion. If these maximum re-coat times have been exceeded, the surface must be abraded by sweep-blasting or sanding prior to the application or additional coats.

## SURFACE PREPARATION

1. All surfaces should be clean, dry and free from contamination in accordance with SSPC-SP 1 solvent cleaning.
2. In case of new steel, abrasive sand blasting to minimum Sa 2 in accordance with the SWEDISH STANDAR SIS 05 59 00 and ISO 8501-1: 1988 or SSPC-SP 6 before applying recommended primer coating system.
3. For maintenance areas of breakdown, damage and etc., should be prepared to the specified standard (e.g. Sa 2 (ISO 8501-1)), primed and tie coat prior to the application of PROMASTER ULTIMATE AFC-13102.
4. PROMASTER ULTIMATE AFC-13102 should always be applied over a recommended primer and tie coat coating scheme.
5. The tie coat surface should be dry and free from all contamination (oil, grease, salt, etc.) and over coated with PROMASTER ULTIMATE AFC-13102 within the over coating intervals specified.
6. Provide adequate ventilation during application and drying.

## INSTRUCTION FOR USE

Firstly stir well **AFC-13102** until homogeneous, add thinner if needed and mix thoroughly. Mixed material could apply using airless spray, air spray, brush or roller. Use Thinner **THSG-90300** as solvent cleaner. Provide adequate ventilation during application and drying.

## SAFETY PRECAUTION

Avoid contact with the skin and eyes. Wear suitable protective coating, such as overalls, goggles, dust mask, and gloves. Use barrier cream. Provide adequate ventilation during application. Do not breathe vapor of spray. This product is flammable. Do not smoke. Use only explosion proof equipment.

## FIRST AID:

General	: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Eyes	: In the case of accidental splashes, flush eyes with clear running water for 5 minutes while holding eyelids open. If irritation persists, seek medical attention.
Skin	: Wash off thoroughly with plenty of water and soap. Do not use solvent or thinner. Removed contaminated clothing. If irritation persists, seek medical attention.
Inhalation	: Remove affected person to fresh air area, loosen collar, and provide oxygen if breathing is difficult. If affected person is not breathing, administer CPR and seek emergency medical attention.

## **DISCLAIMER**

This document contains information issued based on the best and latest of Propan's knowledge in accordance to laboratory testing and practical application experience. The end user must test the product's suitability for their specific application and purpose. Propan shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements. This document is subjected to change without further notice. Please consult Propan for any specific guidance on the suitability of this product for their needs or for any specific application practices.