

SYLMASTER PLUS AFC-14100

No. TD : A-021
Revision : 01
Effective Date: 29/04/2024

PRODUCT DESCRIPTION & USES

SYLMASTER PLUS AFC-14100 is a tin free high performance hydrolysis anti-fouling based on advanced silyl polymer with self-polishing property and long-term protection anti-fouling with low friction, reduced fuel consumption and increase idle time.

FEATURES

- TBT Free Anti Fouling.
- Low Friction
- Longer Idle Time
- Good Anti Fouling Period (For Detail Consult PROPAN)
- Good Flexibility and Weathering Resistance
- Excellent Adhesion to Preceding Coat
- Not Recommended to Apply Directly Over Steel or Zinc Rich Primer
- 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 a Coating System.

PRODUCT SPECIFICATION

Color : Red Brown
Finish : Matt
Volume Solid : 71± 2%
Specific Gravity : 1.70 ± 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

Instruction for Use : Stir well before use, preferable by means use mechanical mixer to ensure good homogeneity.
Application Condition : 25 – 35 °C, 60 – 80 %RH
Thinner : THSG – 90300, etc.
Application Method : Airless Spray Brush/Roller
Thinning Ratio by Volume : 0 – 5% 10%
Tip Size for Airless Spray Gun : 0.019 – 0.021 inch Air Pressure : approx. 160 bar/2300 psi
Wet Film Thickness (WFT) : 175 – 210 microns or 7.1 – 8.6 mills
Dry Film Thickness (DFT) : 125 – 150 microns or 5.1 – 6.1 mills
Theoretical Coverage : 4.70 m²/liter (DFT = 150 microns)

FILM PROPERTIES

| | | | |
|---------------------------------|-----------------|-----------------|-----------------|
| Drying Time (@ DFT = 150 mic) : | 20°C | 30°C | 40°C |
| • Surface Dry : | 35 – 45 minutes | 20 – 30 minutes | 15 – 25 minutes |
| • Hard Dry : | 5.5 – 7 hours | 3 – 4 hours | 2.5 – 3.5 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 detail please contact PROPAN Technical Supervisor

RECOMMENDED COATING SYSTEM

| | |
|--------------------------------|--------------------------------|
| Primer Coat | : According to Specification |
| Under / Tie Coat | : PROGUARD UNDERCOAT EPU-30101 |
| Finish Coat | : SYLMASTER PLUS AFC-14100 |
| Recommended Dry Film Thickness | : 1 coat (150 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 in 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 STANDARD 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 SYLMASTER PLUS AFC-14100.
4. SYLMASTER PLUS AFC-14100 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 SYLMASTER PLUS AFC-14100 within the over-coating intervals specified.
6. Provide adequate ventilation during application and drying.

INSTRUCTION FOR USE

Firstly stir well **AFC-14100** until homogeneous, add thinner if needed and mix thoroughly. Mixed material could apply using airless 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 vapour 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.