



Tin Free Paint A/F789A

Product Description	An organotin-free based high performance antifouling paint. It provides a highly effective and long-life protection against a wide range of marine fouling organisms by means of seawater soluble matrix type of copolymer even in severe sailing conditions. Approved as TBT-free anti-fouling paint by Det Norske Veritas (DNV), and Korean Register of Shipping (KR).
Recommended Use	Where long life service of anti-fouling property to be required. Hull outside of newbuilding or repair ship operating the area where organotin compounds are banned or restricted.

Physical Properties

Finish and Color Flat. Red Brown, Dark Brown.

Drying Time	Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	8 h	2 h	2 h
	Dry through	24 h	12 h	8 h

* The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.

Solids by Volume Approx. 50 % (Determined by ISO 3233)

Theoretical Spreading Rate 4.0 m²/L in 125 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.70

Flash Point 26 °C/79 °F (Closed cup)

Application Details

Surface Preparation Remove any oil, grease, dirt and any other contaminant from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc.

Application Conditions The surface should be completely clean and dry. Do not apply when relative humidity is above 85 %. The Surface temperature should be at least 2.7 °C (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.

Preceding Coat Korabor Aluminum H.B RH248, Kovinyl sealer VH137AL, Korepox H.B EH2560 or according to specification.

* Tar bleeding may occur from Korepotar H.B. EH173S, etc.

This effect is only cosmetic and has no negative influence on the antifouling performance.

*Renewal : High pressure fresh water hosing to remove salt deposits and other contaminants. Allow surface to dry before recoating with Tin Free Paint A/F789A

Thinning Thinner No. 002

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Application Method	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 635 μm ~ 787 μm (0.025" ~ 0.031") Output pressure : 20.7 MPa ~ 24.1 MPa Fan : 60 ° (Airless spray data are indicative and subject to adjustment)
Typical Film Thickness	100 ~ 150 μm dry. Two (2) or three (3) coats are recommended with different color of consecutive coats. Depending on the purpose and the area of use, different film thickness may be applied. This will alter spreading rate and may influence drying time and recoating interval.
Recoating Interval	At 20 °C/68 °F, Minimum : 6 h Maximum : Free Before overcoating, remove the oil, salt, chalking material and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing.
Shelf Life	12 months
Standard Packing Unit	15 L, 18 L
Remarks	Avoid contact with skin and inhalation of paint mist or solvent vapor. In case of eye contact, the eyes should be rinsed immediately by fresh water continuously for at least 15 minutes. Doctor's advice is recommended. In case of skin contact, the exposed area should be cleansed thoroughly with soap and water. Contaminated clothing should be removed and laundered with soap and water before reuse. In case of ingestion, swallow promptly a large quantity of milk, egg white or gelatin as a first aid. (If these are not available, drink a large quantity of water instead.) And obtain immediate medical attention.
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