



HULL KOAT

Anti Fouling-ECO Friendly (TBT Free) -coating

IMO Cert no.39713/A0 BV

It has been observed that buildup of marine growth along the underside of vessel hulls has caused many problems . Some of the problems are as follows:-

- The operators face a lot of downtime when these build up of marine growth has to be cleared
- Reduction of efficiency and cost increase due to layer of growth which can result in 15% extra energy consumption even in a thin layer of growth (1/64")
- The operators are unable to use harsh cleaning chemicals due to environmental pollution issues

Sea Horse Services Sdn Bhd has developed an environment friendly Anti fouling coating system that is 100% volume solid with modified aliphatic amine and Epoxy, which gives an excellent abrasion resistance and hardness that reduces the problems faced by operations.

PRODUCT CHARACTERISTICS

- ✓ Anti fouling Tributyltin (TBT free) and is IMO certified by Bureau Veritas (certification number 39713/A0 BV)
- ✓ Fast dry
- ✓ Excellent adhesion, durability and abrasion resistance.
- ✓ Marine growth penetration is reduced on the hull while the ships are anchored.
- ✓ Smooth surface allows water flow for easy vessel movement and improving fuel efficiency and reducing operating cost
- ✓ Easily Repairable - Isolated repairs can be done on affected area with prescribed primer on new or old surfaces
- ✓ Can be used on most surface such as steel, fiberglass and wood
- ✓ Can be easily cleaned /brushed off, even underwater, without much damage to surface

APPLICATIONS AREAS

- ✓ Hull of Boats and Vessel
- ✓ Power Stations Intake Areas.
- ✓ Boats – Rudders and Keels.
- ✓ Sea Chest
- ✓ Sea Chest Screen
- ✓ Jetties

PRODUCT INFORMATION

Color	Red Brown
Packing Size	16 Liters
Mixing Ratio	5 : 1 (Part A + Part B) by weight
Full Cure	24 hours
Pot Life @30°C	30 ~ 40min
Touch dry @30°C	Within: 4 ~ 6 Hrs
Over coating Interval	After touch dry
Recommended Primer	Aqua Sealer or Aqua ST
Volume Solid	About 100% (ASTM 2697-86)
Recommended DFT	300µm ~ 500µm
Coating Layer	1 ~ 2
Theoretical Coverage	5.0 m ² /L (@ DFT 200µm) Allow for application losses and surface irregularities.
Relative Humidity	During application below 85%
Cleaner	Xylene
Shelf Life	24 months (5° C to 38° C) when stored in sealed condition



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PRIMER RECOMMENDED

Use Epoxy Based Primer - Aqua Sealer (or) Aqua ST
 For Wood , Carbon steel – Use Aqua ST
 For Wood, Carbon steel, Fiber glass, Aluminum – Use Aqua Sealer

Application data

Coating Thickness	300 ~ 500 µm
Primer Required	Aqua Sealer (or) Aqua ST around 150 ~ 200 µm
Over Coating Interval	Can be over-coated when touch dry
Method of application	<ul style="list-style-type: none"> ✓ Airless Spray, Brush, Conventional Spray, Roller ✓ Airless spray : Tip size -0.017 inch or larger ✓ For Conventional spray a moisture and oil trap in the air supply line, mechanical agitator are recommended
Thinning ratio	3 - 5% when required

Environmental conditions

- ✓ Air temperature : 5 ~ 38°C, Surface temperature: 5~45°C
- ✓ Relative humidity : below 85%
- ✓ The surface temperature must be at least 3°C above the dew point to prevent moisture condensation.

Sea Water Immersed Hull Koat Plates

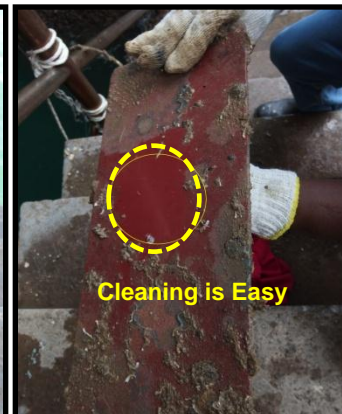
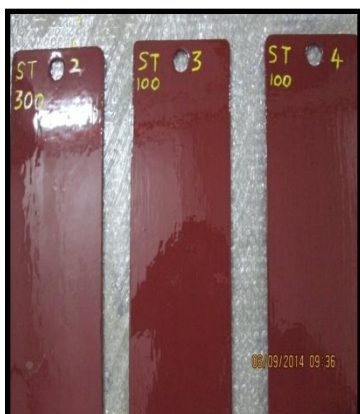


Before – Wooden Panel

After – 41 day

After – 82 day

After – 183 day



Before – Metal Panel

After – 41 day

After – 82 day

After – 146 day



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APPLICATION OF HULL KOAT OVER FIBERGLASS BOAT

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Fouled Hull



Barnacles



After Cleaning



During Primer application



After Primer application



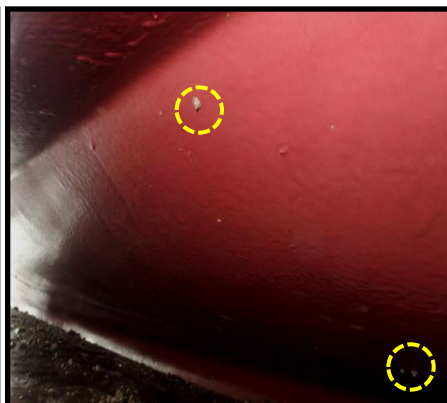
During Hull Coat Application



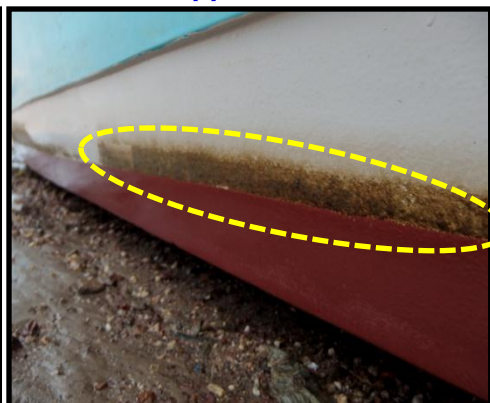
After Hull Coat Application



During Sailing



After 1 month



After 2 month



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APPLICATION OF HULL KOAT OVER SHIP

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Before Hull Koat application



After Hull Koat application



Before Hull Koat application



After Hull Koat application



Before Hull Koat application



After Hull Koat application