



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.
- Ship and boat drag force increased so that high consumption of fuels.

Sea Horse Services Sdn Bhd has developed an environment friendly Anti fouling coating system that is acrylate self polishing .

Aqua SPC a one component acrylic, hydrolysing antifouling coating based on ion exchange technology. It provides very good fouling protection and improved hull performance. This is achieved through self polishing characteristics reducing hull deterioration, friction and speed loss. To be used as finish coat in immersed environments only.

### PRODUCT CHARACTERISTICS

- ✓ Anti fouling Silyl acrylate based controlled depletion.
- ✓ Excellent adhesion, durability and abrasion resistance.
- ✓ Marine growth penetration is reduced on the hull while the ships are anchored.
- ✓ 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
Packing Size	16 Liters & on Request
Mixing Ratio	Single Pack
Full Cure	48 ~ 72 hours
Pot Life @30° C	Not Applicable
Touch dry @30° C	Within: 1 ~ 2 Hrs
Over coating Interval	After touch dry
Recommended Primer	Aqua Sealer or Aqua ST
Recommended Tie coat	Hull Koat
Volume Solid	About 46% (ASTM 2697)
Coating Layer	1 ~ 2
Theoretical Coverage	2.3 m <sup>2</sup> /L (@ DFT 200µm) Allow for application losses and surface irregularities.
Relative Humidity	During application below 85%
Cleaner	Xylene
Shelf Life	8 months (5° C to 38° C) when stored in sealed condition



# SEA HORSE SERVICES SDN.BHD

(Co.Reg.No. : 258211-A)

## **AQUA SPC** Anti Fouling - Self Polishing Coating

### PRIMER RECOMMENDED

Primer → Aqua Sealer (or) Aqua ST 50 ~ 75µm  
Tie Coat → Hull Koat 150 ~ 250µm  
Topcoat → Aqua SPC 100 ~ 150µm

### Application data

Method of application	<ul style="list-style-type: none"> <li>✓ Airless Spray, Brush, Conventional Spray, Roller</li> <li>✓ Airless spray</li> <li>✓ For Conventional spray a moisture and oil trap in the air supply line, mechanical agitator are recommended</li> </ul>
Thinning ratio	3 - 5% when required

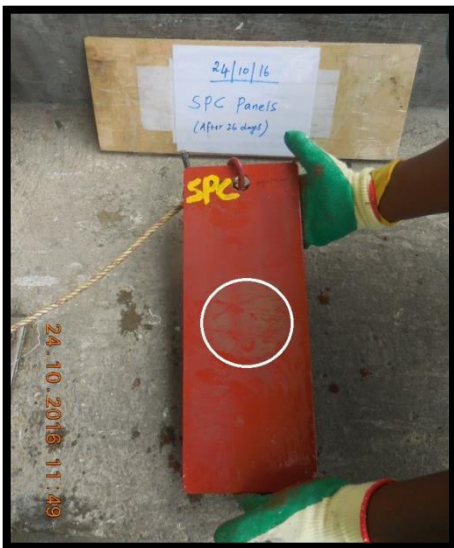
### Environmental conditions

- ✓ Air temperature : 5 ~ 38°C, Substrate 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 Aqua SPC Plates



**Before – Sea Water Immersion**



**After – 26 day**



**After – 137 day**



**After – 321 day**