

SYLMASTER

LOW FRICTION
LINEAR POLISHING
EXCELLENT ANTIFOULING
FUEL SAVING



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Propan Raya ICC was established in 1979 and has grown until now become the market leader in the paint business in Indonesia.

Propan Raya ICC have developed various Marine and Protective Coatings. From our strong background in the research and development field, we assure our products protect the assets with good performance and service to customer's satisfaction.

Our products protect wide range of assets, including:

- Marine
- Offshore
- Civil Infrastructure
- Petrochemical
- Power Plant

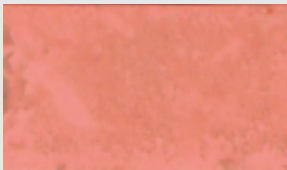


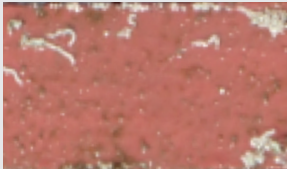


Propan Raya ICC provides full support from over 34 branches throughout Indonesia and overseas (Vietnam and Malaysia). Our continuous improvement ensures that we provide committed service to owners, contractors, fabricators and applicators.

SYLMASTER is a Silyl Acrylate antifouling for low intensity voyage specially designed for modern ship building and ensure excellent protection from animals, slimes, algae, and other fouling with a very smooth application.

SYLMASTER reliable long-lasting protection is provided by a stable/long-term with linear/constant polishing (almost no leached layer) and hydrophobic paint film controlled release of biocides.

SYLMASTER was designed to provide new building and dry docking process with long term service performance. It is applicable to almost all vessels with smooth surface and self-polishing copolymer with silyl acrylate binder effect and enhanced coating quality and performance. By choosing the right antifouling solution, fuel cost can be reduced and make your vessels perform better.

Immersion Test (Comparison Type of Antifouling)

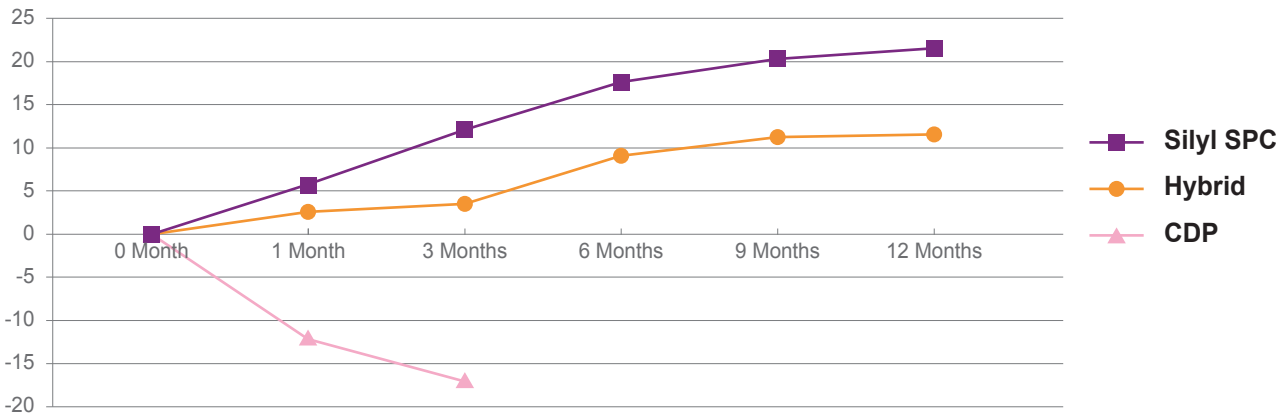
Type / Duration	Sylmaster Series (Silyl SPC)	Hybrid Type	CDP Type
3 Months Static			
12 Months Static			

* Owase Bay, Owase City, Mike Prefecture, Japan (Reference Only)

Rotary Test (ER Results)

Products / Duration Microns (mm)	0 Month	1 Month	3 Months	6 Months	9 Months	12 Months
Sylmaster Series (Silyl SPC)	0	5.7	12.2	17.2	20.5	21.7
Hybrid Type	0	3.0	4.0	9.4	11.1	11.2
CDP Type	0	-11.9	-16.7			

* Condition testing : 20 knots, 25°C, pH 8.0-8.2, Natural Sea Water (Reference Only)





Sylmaster AFC-14000

Solid Volume 60%, Tin free low friction self-polishing antifouling, based on hydrolysing silyl copolymer.

- TBT Free Antifouling
- Idle Time Average 14 Days
- Specifications up to 24 Months
- Voyage Factor 60 – 90%
- DFT up to 150µm in one coat



Sylmaster Plus AFC-14100

Solid Volume 71%, Tin free hydrolyzing antifouling based on copolymer binder.

- Low Friction
- TBT Free Antifouling
- Specifications up to 30 Months
- Idle Time Average 14 Days
- Voyage Factor 60%
- DFT up to 150µm in one coat

Sylmaster Ultrasmooth AFC-14300

Solid Volume 65%, Self-polishing antifouling based on organic hydrosable copolymer binder.

- Very Low friction
- TBT Free Antifouling
- Specification up to 60 Months
- Idle Time Average 36 Days
- Voyage Factor below 50%
- DFT up to 150µm in one coat

Sylmaster Ultimate AFC-14200

Solid Volume 72%, Linear self-polishing antifouling based on organic hydrosable copolymer binder for medium activity vessel.

- Low Friction
- TBT Free Antifouling
- Specifications up to 40 Months
- Idle Time Average 21 Days
- Voyage Factor below 60%
- DFT up to 150µm in one coat

Sylmaster Pro Max AFC-14400

Solid Volume 65%, Self-polishing antifouling based on organic hydrosable copolymer binder for low activity vessel.

- Ultra-Low friction
- TBT Free Antifouling
- Specification up to 90 Months
- Idle Time Average 36 Days
- Voyage Factor below 50%
- DFT up to 150µm in one coat

Products / Voyage Factor	70-90%	50-70%	20-50%
Sylmaster Pro Max AFC-14400	✓	✓	✓
Sylmaster Ultrasmooth AFC-14300	✓	✓	✓
Sylmaster Ultimate AFC-14200	✓	✓	
Sylmaster Plus AFC-14100	✓	✓	
Sylmaster AFC-14000	✓		

Products / Idle time	Up to 14 days	14-30 days	Up tp 36 days
Sylmaster Pro Max AFC-14400	✓	✓	✓
Sylmaster Ultrasmooth AFC-14300	✓	✓	✓
Sylmaster Ultimate AFC-14200	✓	✓	
Sylmaster Plus AFC-14100	✓		
Sylmaster AFC-14000	✓		

