

# SEA GRANDPRIX 1000 L

(SGP 1000 L)

## PRODUCT DESCRIPTION

**SEA GRANDPRIX 1000 L** is a tin free self polishing antifouling paint based on the silyl polymer technology with highly hydrolysis activity.

Excellent antifouling effect is derived from the highly active polymer which ensures maximum effectiveness and leaching of the biocides.

Activation at the surface is maintained by control of hydrolysis thus providing long term antifouling protection commensurate with applied film thickness.

## PRODUCT INFORMATION

Type	Tin free self polishing antifouling paint				
Recommended Use	Antifouling paint on steel ship's bottom for world wide service with extended dry-docking interval.				
Type of binder	Special synthetic resin				
Color	Brown H, Light Brown H				
Flash Point	23.2 °C				
Solids by Volume	56% ± 2 (Test Method : ISO-3233)				
VOC	408 g/l (EPA Method24), 438 g/l (Korea Clean Air Conservation Act)				
Coverage(Theoretical)	5.60 m <sup>2</sup> /l [0.179 l/m <sup>2</sup> ] at D.F.T 100μm				
Wet Film Thickness	89 – 295 μm				
Dry Film Thickness	50 – 165 μm				
Drying Time (at D.F.T. 100μm)	Temperature	5°C	10°C	20°C	30°C
	Surface Dry	3 hrs.	2 hrs.	1 hr.	30 min.
	Hard Dry	12 hrs.	8 hrs.	5 hrs.	4 hrs.
Painting Interval (at D.F.T. 100μm)	Minimum	12 hrs.	8 hrs.	5 hrs.	4 hrs.
	Maximum	-	-	-	-
Dry to Launch (at D.F.T. 100μm)	Minimum	18 hrs.	12 hrs.	10 hrs.	9 hrs.
	Maximum	-	-	-	-
Thinner	RAVAX THINNER, CR/ACRI THINNER A				
Method of Application	Airless spray, Brush, Roller				
Condition of Application	Temperature	: Minimum -5 °C			
	Humidity	: Maximum 85 % R.H.			
	For Airless spray ;				
	Tip No.	: GRACO 621 ~ 723			
	Paint output pressure	: 11.7 – 14.7 MPa			
	Viscosity	: 1.5 - 2.5 Pa·s			
Preferable Preceding Coats	BANNOH 1500 R Z, SILVAX SQ-K, CMP AC-10, etc.				
Preferable Subsequent Coats	-				
Packaging	One pack product				

**TECHNICAL DATA (at 100 $\mu$ m)**

Temp (°C)		-5	0	5	10	15	20	25	30	35	40
Item											
<b>Set to touch</b>		8H	5H	3H	2H	1.5H	1H	45m	30m	30m	30m
<b>Dry to recoat</b>	<b>Min.</b>	22H	16H	12H	8H	6H	5H	4H	4H	3.5H	3H
	<b>Max.</b>	-	-	-	-	-	-	-	-	-	-
<b>Dry to hard</b>		22H	16H	12H	8H	6H	5H	4H	4H	3.5H	3H
<b>Dry to immerse*)</b>	<b>Body</b>	42H	30H	18H	12H	11H	10H	9H	9H	8.5H	8H
	<b>Touch-up</b>	36H	24H	14H	12H	10H	8H	8H	7.5H	7H	6H
<b>Dry to Touch-up</b>		22H	16H	12H	8H	6H	5H	4H	4H	3.5H	3H
<b>Pot life</b>		-	-	-	-	-	-	-	-	-	-
<b>Shelf life (M)</b>		12M	12M	12M	12M	12M	12M	12M	12M	12M	12M
<b>Max. heat resistance</b>		60°C (Non-continuous)									

Abbreviation ; Y : Year, M : Month, D : Day, H : Hour, m : Minute

**Notes :**

- \*) If applied anti-fouling coat is higher than above the recommended DFT or number of coat is two or more, the dry time to be immersed is necessary to be longer for physical resistance, flooding and sailing.
- For the expectations of performance for this product in static conditions, it is necessary to consider location conditions such as fouling activity, water temperatures, and pollution level. For more information please consult a CMP office or representative.
- Slight color variation can be expected after immersion and climatic exposure.

**RECOMMENDABLE SURFACE PREPARATION**

All surfaces to be free from various contaminants (oil, grease, dust, spray dust and etc.) and keep surfaces dry.  
Kindly consult CSP sales office for specific information.

**SAFETY PRECAUTIONS**

In order to ensure safe use of our product, please be sure to follow the safety precautions indicated on the SDS and the paint container. If you need further explanation, do not hesitate to consult our personnel or our local distributors before buying, opening, using, or disposing the product. Since product contains flammable materials, keep away from sparks and open flame. No smoking should be permitted in the area on painting.

Wear an appropriate protector (eye and face protection, protective clothing, barrier creams, etc) when mixing, applying, or drying the paint. If products come into contact with the skin, wash thoroughly with warm water and soap or suitable cleaner. If the eyes is contaminated, irrigate with water and seek medical advice immediately.

**DISCLAIMER**

The information, including data, specifications, directions and recommendations, contained in this Data Sheet describes the experiment results under controlled or specially defined conditions and we do not guarantee that the Products, when used under the actual conditions of any intended use, will produce the same results. The performance of the Products in their actual use is affected by various factors, and the User must judge whether the Products are suitable for specific uses. We do not guarantee the performance of the Products under any specific operation environment other than the performance of the Products under the conditions described in this Data Sheet.

The content of this Data Sheet, which is intended for facilitation of the User's understanding and convenience of use of the Products, is subject to change at any time without prior notice. We use our best efforts to reflect the latest and most accurate information in this Data Sheet, but we will not bear any liability whatsoever relating thereto. The User must confirm that the Data Sheet is the latest version prior to using the Products.

We do not guarantee the performance or safety of the Products when used for a purpose or use other than what is described herein. Nor will we be liable for any explanation or guarantee provided by any distributor or sales agent with respect to the Products, other than what is described in this Data Sheet.

Furthermore, each of the Products described herein is composed of various chemical substances, some of which may contain toxic and/or harmful ingredients and may cause harmful results as a result of misuse or overuse of the Products. For specific causes of risk, conditions of use, harmfulness, etc. of each of the Products, please carefully read, prior to use of the Products, the MSDS (Material Safety Data Sheet) inserted in each of the Products. We will not be liable for any accident that may be caused in violation thereof.

The information given in this sheet is effective at the date shown above and subject to revision from time to time without notice.