

# SEAFLO NEO SL M

(SFL N SL M)

## PRODUCT DESCRIPTION

**SEAFLO NEO SL M** is a high performance, high solid, ultra low friction hydrolysis type antifouling, based on silyl methacrylate polymer, combined with unique self-leveling technology.

Providing excellent physical properties, outstanding long-term fouling protection up to 90 months and sustainable low frictional resistance, impressive fuel savings are delivered throughout the service period.

## PRODUCT INFORMATION

<b>Type</b>	Ultra low friction, silyl methacrylate hydrolysis antifouling				
<b>Recommended Use</b>	Antifouling for underwater hulls of steel ship, especially designed by ocean-going vessels				
<b>Type of binder</b>	Silyl methacrylate polymer				
<b>Color</b>	Brown, Light Brown				
<b>Flash Point</b>	23.8 °C				
<b>Solids by Volume</b>	60% ± 2 (Test Method : ISO-3233)				
<b>VOC</b>	374 g/l (Method24), 418 g/l (Korea Clean Air Conservation Act)				
<b>Coverage(Theoretical)</b>	6.0 m <sup>2</sup> /l [0.167 l/m <sup>2</sup> ] at D.F.T 100 $\mu$ m				
<b>Wet Film Thickness</b>	125 – 275 $\mu$ m				
<b>Dry Film Thickness</b>	75 – 165 $\mu$ m				
<b>Drying Time</b> (at D.F.T. 100 $\mu$ m)	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.
<b>Painting Interval</b> (at D.F.T. 100 $\mu$ m)	Minimum	12 hrs.	8 hrs.	5 hrs.	4 hrs.
	Maximum	-	-	-	-
<b>Dry to Launch</b> (at D.F.T. 100 $\mu$ m)	Minimum	18 hrs.	12 hrs.	10 hrs.	9 hrs.
	Maximum	-	-	-	-
<b>Thinner</b>	RAVAX THINNER, CR/ACRI THINNER A				
<b>Method of Application</b>	Airless spray, Brush, Roller				
<b>Condition of Application</b>	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	: 90 sec. (Ford Cup #4)			
<b>Preferable Preceding Coats</b>	BANNOH 1500 R Z, SILVAX SQ-K, CMP AC-10, etc.				
<b>Preferable Subsequent Coats</b>	-				
<b>Packaging</b>	One pack product				

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

Item		Temp (°C)									
		-5	0	5	10	15	20	25	30	35	40
<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	4.5H	4H	3.5H	3H
	<b>Max.</b>	-	-	-	-	-	-	-	-	-	-
<b>Dry to hard</b>		22H	16H	12H	8H	6H	5H	4.5H	4H	3.5H	3H
<b>Dry to immerse*)</b>	<b>Body coating</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	4.5H	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.

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