CODE: 672 Series REVISION: 04 DATE: 20 April 2023

SEA GRANDPRIX 1000 L

Product Description

SEA GRANDPRIX 1000 L is a high-performance hydrolysis antifouling paint based on an advanced silyl polymer with highly hydrolysis activity. Excellent antifouling performance is derived from the high active polymer which ensures maximum effectiveness and biocide leaching.

Activation at the surface is maintained by controlled hydrolysis providing long-term antifouling protection commensurate with applied film thickness.

Product Information

Type	Advanced silyl polymer type hydrolysis antifouling paint
Recommended Use	Antifouling paint for underwater hulls of steel ships with extended dry-docking intervals.
Colour	Brown, Light Brown
Flash Point	23.2°C
Density	1.90 G/mℓ
Volume Solids (VS)	56 ± 2 %
VOC	408 G/ℓ (EPA Method 24)
Coverage (Theoretical)	11.24 - 3.4 m²/ℓ
Wet Film Thickness	89 - 295 μm
Dry Film Thickness	50 - 165 μm
Drying Time (at D.F.T. 100 μm)	Temperature -5°C 0°C 5°C 10°C 20°C 30°C Surface Dry 8 hrs 5 hrs 3 hrs 2 hrs 1 hr 30 mins Hard Dry 22 hrs 16 hrs 12hrs 8 hrs 5 hrs 4 hrs
Painting Interval (at D.F.T. 100 μm)	Minimum 22 hrs 16 hrs 12 hrs 8 hrs 5 hrs 4 hrs Maximum - - - - - -
Dry to Launch (at D.F.T. 100 μm)	Minimum 48 hrs 36 hrs 24 hrs 18 hrs 12 hrs 10 hrs
Thinner	CR/Acri Thinner A
Method of Application	Airless spray, Brush, Roller
Condition of Application	Temperature : Minimum -5°C Humidity : Maximum 85% R.H. Dew Point +Minimum 3°C For Airless spray: Tip No. : GRACO 621 - 723 Paint Output Pressure : 11.7 - 14.7 MPa. Viscosity : 1.5 – 2.5 Pa.s Spray Speed : 60 - 80 cm/sec Thinning : 0 - 7 % by volume
Preferable Preceding Coats	Bannoh 1500 N, Bannoh 1500 S, Bannoh 500N, Bannoh 500R, Bannoh 500S, Bannoh 1500RZ, Silvax SQ-K, CMP AC, CMP AC-10, etc.
Preferable Subsequent Coats	-
Packaging	One pack product
Pack Size	5 litre; 20 litre

Technical Data Sheet

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Notes

1. 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 Dekro office or representative.
2. Ventilation shall be maintained from coating application until the completion of drying in order to remove residue of solvents and promote drying.
3. Agitate with a power agitator until it is turned homogeneous, and then add appropriate thinner and mix thoroughly.
4. Below 10°C, additional thinning may be required to obtain the proper application viscosity, but note that excessive thinning will result in reduced sag resistance and paint film property.
5. Slight colour variation can be expected after immersion and climatic exposure.
6. Density, VS and VOC contents are measured from product samples without thinning. Values may vary depending on colour, manufacturing process, local regulations, etc.

Technical Data (at 100 μm)

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

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

*) If applied, antifouling coat is higher than above the recommended DFT or number of coats is two or more, the dry time to be immersed is necessary to be longer for physical resistance, flooding and sailing.

Technical Data Sheet

Application

Correct surface preparation is essential for good product performance and all surfaces should be prepared as per the standard Dekro Preparation Specifications. Copies of these are available on request from your nearest Dekro Paints branch and/or stockist or can be downloaded from our website.

Safety Instructions

Always keep out of reach of children and animals.
Wear a suitable dust mask and goggles when preparing surfaces. Ensure good ventilation during application and drying.

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Safety Instructions (continued)

If accidental contact with skin, wash immediately with soap and water or a recognised skin cleaner.
If accidental contact with eyes, rinse immediately with plenty of water and seek medical advice.
Harmful if swallowed. Seek medical attention and do not induce vomiting.

General

Different surfaces and environmental conditions require specific painting systems to produce the best possible results.
It is therefore recommended that you contact a Dekro Sales representative for advice on all your painting requirements whenever possible.

Technical Data Sheet

The technical data furnished is given to the best of our knowledge and based on controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven product fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.

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