

## NanoProf's Holland

ADRESS: SUMATRASTRAAT 18 - POSTAL: 2612AM - PLACE: DELFT - ZUIDHOLLAND - NEDERLAND +31 (0) 614888118

[INFO@NANOPROFS.COM](mailto:INFO@NANOPROFS.COM) - [SALES@NANOPROFS.COM](mailto:SALES@NANOPROFS.COM)

BUSINESSNR: 77948297 - BTW: NL003263809B11 - BANKACCOUNT: NL41ABNA0877639914 - BIC: ABNANL2A



### Technical Data Sheet

## Seaking Fouling Release

### Product Description

The ultimate epoxy fouling release coating. Low friction, superior release and long-lasting nanotechnology driven coating. Contains no tin (IV). Based on PolyDiMethylSiloxane modified epoxies, as the latest advance in marine coatings. Apart to their amphiphilic behavior and enhanced durability, they are coupled with glycol units to finely tune surface tension values that repel proteins or microorganism biological anchors. Saves fuel costs by reducing drag coefficient. Even though a fouling release coating, elements of antifouling performance are evident, without self-polishing erosion.

### Recommended Use

As a Tin (IV)-free antifouling coating for maintenance & repair or new-built vessels.

### Approvals And Certificates

Approved by Lloyd's Register, in accordance with the requirements and the standards of IMO Antifouling System Convention. Certificates can be provided upon request.

### Film Thickness Per Coat

	Minimum	Maximum	Recommended
Dry Film Thickness (µm)	75	125	100
Wet Film Thickness (µm)	94	156	125
Coverage Rate (m <sup>2</sup> /L)	10.6	6.4	8

Drying times differentiate in minimum or maximum values. Maintain recommended values during application. Coverage rate is Theoretical and does not include any losses.

### Properties

Type ▶	Silicone Modified Epoxy Polyamide	Touch Dry Time ▶	3h @ 20°C
Components ▶	Base A & Hardener B	Dry Through Time ▶	12h @ 20°C
Color ▶	Red Brown / Light Red / Black / Blue	Min. Recoat Interval ▶	24h @ 20°C
Thinner/ Cleaning Solvent ▶	Thinner A	Min. Time to Immersion ▶	24h @ 20°C
Mixing Ratio ▶	4.8:1, A:B per volume	Induction Time ▶	15min @ 20°C
VOC ▶	<240 g/L	Flash Point ▶	>23°C
Solids (%vol.) ▶	80±3	Water Resistance ▶	Excellent
Max. Pot Life ▶	6h @ 20°C	Abrasion Resistance ▶	Excellent

## Surface Preparation

**Compatible Coats:** All surfaces should be clean, dry and free from oil, grease and other foreign matters or contamination. Preparation according to ISO 8502-3:1992 Test for the assessment of surface cleanliness.

## Application

Conventional Spraying ☐ Paint pressure pot with power agitator, double air regulators, moisture trap, 1/2" ID fluid hose, 5/16" ID air hose, DeVilbiss 510 gun, "E" tip and needle, 74 or 78 air cap.

Airless Spray ☐ Minimum pump: 30:1, Nozzle: 19-23

Brush ☐ Recommended small narrow brushes.

Substrate temperature should be minimum 5°C and at least 3°C above air dew point. Good ventilation is required to ensure proper drying.

**NanoPhos**  
Marine Pioneering  
Nanotechnology



## Paint System

Please contact NanoPhos Marine for more information.

## Health And Safety

- I. Use normal precautions such as gloves, facemasks.
- II. Adequate ventilation must be maintained.
- III. Explosion proof lights & electrical equipment.
- IV. Non-Sparking shoes & tools for workers in area
- V. This product contains flammable materials. Forbid all flames, smoking and welding in work area.
- VI. Avoid breathing of vapor, contact with skin or eyes. If product comes in contact with skin or eyes, wash thoroughly with water and obtain medical attention.

## Available Packaging

- § 5L unit (Total 5L in two metal canisters | 4.8:1, A:B per volume)
- § 20L unit (Total 20L in two metal canister | 4.8:1, A:B per volume)

**Notes & Precautions:** Storage of closed containers, in controlled dry and enclosed space, away from sources of ignition and temperatures from 5°C to 35°C, for up to 18 months. The Technical Data should be read in conjunction with the Safety Data Sheets and Coating Technical Specification. This product is for professional use only. For more information please contact NanoPhos [www.NanoPhos.com](http://www.NanoPhos.com)