

SeaHermes Transparent Racing Antifouling

Product Description

Super-hydrophilic, transparent coating, based on titanium dioxide nanoparticles. It creates a short living (6M) but extremely low surface tension coating to reduce boundary effect and boost speed performance. Apart from surface tension, nanoparticles shape a unique micro-roughness to reduce friction or drag coefficient. As a transparent, super-hydrophilic, drag reducing coating and easy fouling-release coating.

Recommended Use

Ideal for application on fiberglass gel-coat whenever a split of a second makes a difference.

Film Thickness Per Coat

	Minimum	Maximum	Recommended
Dry Film Thickness (µm):	250	800	400
Wet Film Thickness (µm):	12.5	40	20
Coverage Rate (m ² /L):	80	25	50

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 ▶	Water Based	Touch Dry Time▶	30min @ 20°C
Components ▶	Single Component	Dry Through Time ▶	2h @ 20°C
Color ▶	Transparent	Full Curing ▶	2d @ 20°C
Thinner ▶	Water	Min. Recoat Interval ▶	1h @ 20°C
Mixing Ratio ▶	Single Component	Flash Point ▶	41°C
Solids (%wt.) ▶	10±3	Water Resistance ▶	Good
Solids (%vol.) ▶	7±3	Abrasion Resistance ▶	Average
Recommended Coats ▶	2	VOC ▶	<140 g/L

Surface Preparation

All fiberglass gel-coated surfaces should be clean, dry and free from oil, grease, dirt, mill scale, rust, corrosion products, oxides and other foreign matters or contamination.

Other surfaces: Please contact NanoPhos Marine for more information.

Application

	HVLP spraying with Graco Husky 307 or 515 diaphragm pump with Acetal parts. Accuspray series 55ZZ Delrin gun.
Conventional Spraying ▶	Delrin needle assembly and 0.034-0.072" Delrin fluid nozzle with suitable Delrin air cap. 6mm (¼ inch) I.D. fluid line with re-circulating system should be used to minimize pigment settling.
Airless Spraying ▶	Not a recommended application method.
Brush ▶	Not a recommended application method.

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

Paint System

- No priming on fiber glass or rib boats.
- Can be applied on existing SeaQueen or SeaPrince Antifouling.
- 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

- Plastic canisters: 4L & 30L

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 Marine: www.NanoPhos-Marine.com