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# SEA-SPEED® V5 VMT **DIY**

The **ONLY** Hard film Fluorinated siloxane Bottom Paint)

**SEA-SPEED® V5 DIY** is the latest in foul release underwater hull coating technology, The **DIY** version is designed for non professional application. It is the latest evolution of a product that has an excellent service record in commercial and military applications and pleasure craft since 1998. The **V5 DIY** incorporates a new proprietary technology (**VMT**). This technology enables the valence of the coating to change in the presence of water flowing over the coating surface. Based on actual vessel applications and static testing the coating minimizes fouling from slime, algae, grass and organisms without the use of cuprous oxides and or any biocides. The "V5" is a true **GREEN** alternative to standard TOXIC self-polishing or ablative antifouling paints. **SEA-SPEED® V5** does not deplete or ablate, therefore providing a long life coating system against fouling.

The hybrid siloxane technology provides a flexible yet tough protective film that can withstand fenders, tugs and ice. Through the incorporation of the silicone (polysiloxane), the film provides low surface energy and a very low coefficient of friction and can increase speed up to ten (**10%**) and reduce fuel consumption up to eight (**8%**) percent. **SEA-Speed® V5** differs from other silicone paints in that it cures into a very hard, durable and highly abrasion and impact resistant elastomeric film that will last up to ten years. The system can be applied in either 1 or 2 coats depending on the substrate and size of the vessels. Application may be direct to gel coat, fiberglass, wood or aluminum. For steel hulls it should be use in conjunction with our **SEAPOXY 85** epoxy anti corrosion primer. Refer to specifications for additional details.

## Product Benefits:

- Non-toxic, environmentally safe (no poison)
- HAPS FREE / Ultra low V.O.C. (volatile organic compounds)
- Extremely hard film to resist against damage and wear
- Underwater scrubable without damage to the coating or environmental impact
- Low co-efficient of friction to maximize speeds and fuel efficiency
- Extremely smooth surface
- Available in a wide range of colors
- No need to recoat for 8-10 years. Much lower cost than copper based coating systems based on total lifecycle costs.

## Application Benefits:

- Reduced number of coats to be applied cuts Haul out time and costs
- 30% less weight than conventional anti-fouling coating systems
- Can be applied with a small airless pump
- Easy to spray with high sag resistance and excellent edge retention

## Product Applications:

- **Powerboats, sailing craft, yachts.**
- **Underwater hulls: Gelcoat, fiberglass, wood steel or aluminum substrates.**

## CHARACTERISTICS:

- 76 % solids
- HAPS FREE
- Low VOC 164 gr./Liter  
1.36 Lbs./gal
- One coat technology or combined with **SEAPOXY 85**
- No TBT or Cuprous oxides
- Excellent physical / curing properties
- Re – Float in 24 hours Minimum.

# PRODUCT & PERFORMANCE DATA

## @ 77° F (25° C)

**Type:** Two component Polysiloxane Epoxy

**Cure:** Chemical reaction

**Solids:** Approx.76 % by Volume

**VOC Content ASTM D 6886:**(1.36 lbs/gal or 164 gr/liter)

**Mass density:** 9.34 Lbs. Per gallon (1.12 g/cm3)

**Flash point:** PART A Hardener: >102° F (> 39° C)  
PART B Resin: Same

**Shelf life:** 12 months subject to re-inspection

**Ratio:** By Volume: 1 part A (activator)  
1 part B (Base Resin)

**Gloss:** High

**Abrasion Resistance:** ASTM D 4060: < 28 mg loss

**Thinner:** None. Reduce viscosity by maintaining storage temperature above 73° F ( 23° C). Viscosity may be reduced by mixing parts A and B separately with a rotary mixer.

**Clean up solvent:** Ameron T – 10 Thinner or MEK

### Technical Data

**Ratio:** 1:1 by Volume

**Potlife:** 75 minutes @ 77° F (25° C)

Tack free: 4.5 hours

Handling: 12 hours

Re-coat: 3 hours minimum/ 8 hours maximum @ 77° F/ 25° C

Re-Float: 24 hours\* (minimum)

Full cure: 72 hours

\* For each 10° F under 77° F (6.25° C under 25° C) add 6 hrs to re-float time.

### Available Packaging

- A. Five Gal. Kit (2.5 gal. Part A/2.5 gal. Part B)  
20 liter kit (10 liters Part A/ 10 liters Part B)
- B. Two Gal. Kit ( 1 gal. Part A / 1 gal. Part B)

### Shipping information

DOT – UN1263 PAINT, PAINT RELATED MATERIAL  
Class 3  
Packing Group III  
Label 3

IMDG  
Marine Pollutant -- (not listed)  
UN1263 PAINT RELATED MATERIAL  
Class 3  
Packing Group III  
Label 3  
EmS (IMDG) F-E, S-E

### Coverage

**Theoretical:** 1219 sq.ft/gal (29.9 sq. meters/liter) @ 1 mil (25microns) DFT

#### One coat application:

Apply 11 – 12 mils (275 – 300 microns) WFT in one coat. Coverage is 150 sq. ft./gal (3.68 sq. meters/liter)

#### \*\*Aluminum or Steel Hull: over anti corrosion coat:

Apply 10 mils (250 microns) dry film thickness **SEAPOXY 85™**

Apply 8 mils (200 microns) DFT of **SEA-Speed® V5 DIY**

150 sq. ft./gal. (3.68 sq. meters/liter).

\*\* Request industrial marine specifications from Seacoat Technology, LLC or your authorized representative.

### Substrate and weather Conditions :

Remove previous coatings and the surface should be dry and free of contaminants. Refer to new construction or maintenance specifications for details. Substrate temperature must be above 50° F (10° C) and at a minimum must be 5° F (3° C) above the Dew Point.

### Safety Precautions:

This product must be kept out of the hands of children. This product contains some hazardous ingredients and should be used with caution. Refer to MSDS for proper industrial hygiene procedures consistent with OSHA regulations. Always use protective goggles, gloves clothing and or respiratory equipment.

### Disclaimer

RECOMMENDATIONS AND SUGGESTIONS APPEARING HEREIN CONCERNING OUR PRODUCT(S) ARE BASED UPON TESTS AND DATA BELIEVED TO BE RELIABLE, HOWEVER, IT IS THE USER'S SOLE RESPONSIBILITY TO DETERMINE THE SAFETY, TOXICITY AND SUITABILITY FOR HIS OWN USE OF THE PRODUCTS DESCRIBED HEREIN. SINCE THE ACTUAL USE OF THESE PRODUCTS IS BY OTHERS AND BEYOND OUR CONTROL, NO GUARANTEE EXPRESSED OR IMPLIED IS MADE BY SeaCoat TECHNOLOGY, LLC AS TO THE EFFECTS OF SUCH USE, INCLUDING THE RESULTS TO BE OBTAINED OR THE SAFETY AND TOXICITY OF THE PRODUCTS NOR DOES SeaCoat TECHNOLOGY, LLC ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THE PRODUCTS REFERRED TO HEREIN. NOR IS THE INFORMATION HEREIN TO BE CONSTRUED AS ABSOLUTELY COMPLETE SINCE ADDITIONAL INFORMATION MAY BE NECESSARY OR DESIRABLE WHEN PARTICULAR OR EXCEPTIONAL.

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