



Release December 1, 2007

# SEA-Speed® DTM V4

## The ONLY Hard film Fluorinated siloxane foul release coating

**SEA-Speed® DTM V4** is a high technology blend of polysiloxanes and high solids epoxy resins. The latest (**December 2007 release**) in non-stick foul release underwater hull coating technology, **SEA-Speed® DTM V4** is a reformulated version of the version 3 which has an excellent service record in commercial and military applications. A revised ratio of polysiloxanes and specialty pigments provides increased performance against marine growth compared to V3 especially for slower vessels. **SEA-Speed® DTM V4** is still a non-toxic, environmentally safe coating that does not contain cuprous oxide or TBT (tributyltin) nor does it polish or ablate, therefore providing a long life coating system against fouling.

The **SEA-Speed® DTM V4** technology enables the coupling of polysiloxane and epoxy into a fused, flexible yet tough protective film. Through the incorporation of the silicone (polysiloxane), the film provides a very low coefficient of friction that minimizes marine growth and will enhance fuel efficiency. **SEA-Speed® DTM V4** differs from other silicone paints in that it cures into a very hard, durable and highly abrasion and impact resistant elastomeric film. The system is designed as DTM (direct to metal) application or may be used in conjunction with an epoxy anti corrosion primer and has an ultra high solids content with very low V.O.C. (less than 1lb. Per gallon). Refer to specifications for additional details.

### Product Benefits:

- Non-toxic, environmentally safe (no poison)
- Ultra low V.O.C. emissions (volatile organic compounds)
- Extremely hard film to resist against damage and wear
- Underwater scrubbable without damage to the coating or environmental impact
- Low coefficient of friction, minimizing adherence of marine growth
- Extremely smooth surface to maximize speeds and fuel efficiency
- Available in a wide range of colors
- Competitively priced against soft film foul release coating and copper based coating systems based on total lifecycle costs

### Application Benefits:

- Reduced number of coats to be applied cuts dry-docking time and costs
- 30% less weight than conventional anti-fouling coating systems
- No dedicated silicone spray pumps. No silicone contamination to airless pumps
- Easy to spray with high sag resistance and excellent edge retention

### Product Applications:

- Underwater hulls on ships, boats, barges (steel or aluminum)
- Intake tunnels on power generation circulating water cooling systems
- Underwater sections of offshore drilling rigs and production platforms
- Sub-sea equipment

### CHARACTERISTICS:

- 90 % solids
- Low VOC (.63 lbs/gal or 76 gr/liter)
- DTM capable technology or combined with anti corrosion coatings.
- No TBT or Cuprous oxides
- Excellent physical / curing properties
- Re – Float in 16 hours Minimum.
- Available for fiberglass, gel-coat hulls. **SEA-Speed® G.C. V4**

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## PRODUCT & PERFORMANCE DATA @ 77° F (25° C)

**Type:** Two component Polysiloxane Epoxy

**Cure:** Chemical reaction

**Solids:** Approx.90 % by Volume

**VOC Content:** (.63 lbs/gal or 76 gr/liter)

**Mass density:** 10.4 Lbs. Per gallon (1.20 g/cm3)

**Flash point:** Resin: >200° F (> 93° C)  
Hardener: Same

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

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

**Gloss:** High

**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

### Technical Data

**Ratio:** 1:1 by Volume

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

Tack free: 4 hours

Handling: 12 hours

Re-coat: 3 hours minimum/ 36 hours maximum @ 77° F/ 25° C

Re-Float: 16 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. Two Gal kit (1 gal. Resin/1 gal. Hardener)
- B. Five Gal. Kit (2.5 gal. resin/2.5 gal. Hardener)

### Coverage

**Theoretical:** 1444 sq.ft/gal (35.5 sq. meters/liter) @ 1 mil (25microns) DFT

#### DTM (Direct to metal) application:

Apply 11 – 12 mils (275 – 300 microns) WFT in one coat. Coverage is 130 sq. ft./gal (3.19 sq. meters/liter)

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

Apply 10 mils (250 microns) dry film thickness **HULL-Guard™** or **Amercoat 240**.

Apply 8 mils (200 microns) DFT of **SEA-Speed® DTM V4**  
180 sq. ft./gal. (4.42 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 is sold for and intended for use by professional applicators. It is not for residential use and 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

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