

Release January 1, 2016

SEA-SPEED® V 10 X

The ONLY Hard film siloxane Hull Coating

SEA-SPEED® V 10 X, The latest in hull coating technology, **SEA-SPEED® V 10 X** is the newest evolution of our technology that has an excellent service record in commercial, military and pleasure craft applications since 2001. **SEA-SPEED** is designed to combine the best of the three traditional types of underwater hull coatings into one. The **V 10 X** incorporates the proprietary technology (**VMT**). This technology eliminates the need for toxic materials such as Cuprous oxides and biocides. It enables the valence of the coating to change in the presence of water flowing over the coating surface thereby making the surface less attractive for biofilm. Based on actual vessel applications and static testing the coating minimizes fouling from slime, algae, grass and organisms without the use of toxic cuprous oxides and or any biocides. The "**V 10 X**" is a true **GREEN** alternative to standard TOXIC self-polishing or ablative antifouling paints. It does not deplete, ablate or leach, therefore providing a 10 year warranted coating system.

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 coating film has a very low surface energy and a very low coefficient of friction and can reduce fuel consumption up to ten (**10%**) percent. Average Hull roughness (AHR) of newly applied **SEA-Speed® V 10 X** is under 20 microns compared to other types of underwater hull coatings that range between 50 – 175 microns. It differs from soft duplex silicone paints in that it cures into a very hard, durable and highly abrasion and impact resistant elastomeric film. The **SEA-Speed® V 10 X** is applied in 1 coat over anticorrosive epoxy with minimal time in dry dock. Available in 80, 90 and 100 % high solids versions with very low or zero V.O.C. Refer to specifications for additional details.

Product Benefits:

- Non-toxic, environmentally safe (no poison)
- Zero or very low V.O.C. emissions (volatile organic compounds)
- Extremely hard film to resist against damage and wear
- Low surface energy / coefficient of friction to maximize speeds and fuel efficiency
- Extremely smooth surface < 20 microns AHR
- Underwater scrub capable without damage to the coating or environmental impact
- Available in a wide range of colors
- Equal to or less expensive than Conventional toxic SPC's and Ablative paints

Application Benefits:

- One coat application over anticorrosive epoxy
- Cuts dry-docking time and costs
- 30% less weight than conventional anti-fouling coating systems
- No dedicate silicone spray pumps. No special silicone containment
- 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:

- 80, 90 & 100% solids
- NON HAPS Solvents
- 10 Year Warranty
- No Toxic biocides
- No TBT or Cuprous oxides
- Excellent physical / curing properties
- Re – Float in 24 hours Minimum.
- Works Ideally with Harsonic Ultrasound Hull protection

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

Type: Two component Polysiloxane Epoxy

Cure: Chemical reaction

Solids: 80, 90 or 100 % by Volume

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

Mass density: 10.52 Lbs. Per gallon (1.26 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

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 – 6 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. Two Gal. Kit (1 gal. Part A/ 1 gal. Part B)
- B. 5 gallon Kit (2.5 gal. Part A/ 2.5gal. Part B)
- C. 20 liter kit (10 liters Part A/ 10 liters Part B)

Coverage

Theoretical: 80% solids: 1283 sq.ft/gal (31.5 sq. meters/liter) @ 1 mil (25microns) DFT.
90% solids: 1444 sq.ft/gal (35.45 sq. meters/liter) @ 1 mil (25microns) DFT.
80% solids: 1604 sq.ft/gal (39.38 sq. meters/liter) @ 1 mil (25microns) DFT.

**Aluminum or Steel Hull:

Apply 10 mils (250 microns) DFT (dry film thickness) **SEAPOXY 85™**
Apply 8 mils (200 microns) DFT of **SEA-Speed® DTM V 10 X**

Wood, Gel coat & Fiberglass Hull:

Apply 10 mils (250 microns) DFT (dry film thickness) **SEAPOXY 85™**
Apply 8 mils (200 microns) DFT of **SEA-Speed® DTM V 10 X**

** Request industrial marine specifications from Seacoat Technology, LLC or your authorized representative for exact equipment requirements.

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 and ambient temperatures must be above 40° F (4.44° 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

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.