

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 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:

- 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 Ultrasound Hull protection

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

Type: Two component Polysiloxane Epoxy

Cure: Chemical reaction

Solids: 100 % by Volume

Maximum VOC Content: 0.00 lbs/gal or (0 gr/liter)

Mass density: 10.52 Lbs. Per gallon (1.26 g/cm³)

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

Shelf life: 24 months subject to re-inspection.
Storage should be in a cool dry place out of direct sunlight and at temperatures between 40° F (5° C) and 90° F (32° C)

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

Gloss: High

Abrasion Resistance: ASTM D 4060: < 58 mg loss

Thinner: Reduce viscosity by maintaining storage temperature above 95° F (35° C). Viscosity may be reduced by mixing parts A and B separately with a rotary mixer. May be thinned up to 7.5% with Sherwin Williams R7K15/C50 or Ameron T-10.

Clean up solvent: Sherwin Williams R7K15/C 50 or Ameron T – 10 Thinner

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)

Practical Coverage

Theoretical: 100% solids: 200 sq.ft/gal (4.91 sq. meters/liter) @ 8 mil (200 microns) DFT.

Practicle: at a 30% loss factor = 140 sq.ft/gal (3.44 sq. meters/liter)

****Aluminum or Steel Hull: 100 % solids version**

Apply 10 mils (250 microns) DFT (dry film thickness) **SEAPOXY 73™**
Apply 8 mils (200 microns) DFT of **SEA-SPEED® V 10 X**

Wood, Gel coat & Fiberglass Hull: 100% solids version

Apply 10 mils (250 microns) DFT (dry film thickness) **SEAPOXY 73™**
Apply 8 mils (200 microns) DFT of **SEA-SPEED® V 10 X**

** Request industrial marine specifications from Seacoat Technology, LLC or your authorized representative for exact equipment requirements. info@seacoat.com or + 01 (832) 237 4400.

Equipment: Apply by airless spray ONLY!

- **Without thinning: 74:1 High pressure airless minimum 12.7 mm (1/2") i.d. hose. Tip size .417 - .621**
- **With Thinning (5%): 68:1 High Pressure airless minimum**
- **With Thinning (7.5 %): 56:1 High pressure airless minimum**

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

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