



Supermarine
Marine Paint

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SM-1000

SM-1000 Revolution

Get On Board!

Revolution (SM-1000) is just that; a *revolution* in modern marine coatings technology – and our signature product. This impressive single stage hybrid resin blend outperforms typical marine paint in every significant performance category. Adhesion, corrosion control, flexibility, impact and scuff resistance, UV protection, color and gloss retention are all unmatched.

Brush-ability and ease of application are outstanding with Revolution. It produces a remarkably attractive finish that must be seen to be appreciated. It has a unique soft, smooth glossy appearance yet it is deceptively hard and durable. The low odor formula produces a nontoxic finish that is submersible long-term. It self-levels like a dream in brush and roll applications; and is easily sprayed. It produces a highly durable finish that remains both hard and flexible at the same time.

Revolution provides a high level of corrosion resistance topside or under the waterline. It is the first marine coating that can be used above and below the waterline on virtually any marine structure, boat or vessel, regardless of size or materials of construction often eliminating the need for antifouling bottom paint (depending on individual needs) while at the same time outperforming both typical topside and antifouling bottom paints in many applications. It pays *you* back by saving money on expensive scheduled maintenance costs because it lasts longer. The cured film is so smooth it may increase the speed of your trailered boat by as much as 14% saving money at the fuel dock and time in transit! Independent test data confirms its spectacular performance, longevity and durability; achieving more than 40+ year lifespan in accelerated constant submersion durability testing commissioned by Siemens and Westinghouse. Additional independent tests confirm compelling increases in vessel speed and fuel savings. Was there anything else on your wish list?

Product Features:

- Produces a film remains both hard and flexible at the same.
- Self leveling formula eliminates brush and roller marks.
- Less likely to chalk, yellow or fade.
- Provides superior adhesion, hardness and durability.
- Finish is remarkably smooth and soft in appearance.
- Superior color and gloss retention.
- Saves money on fuel—increases vessel speed.
- Keeps surfaces clean longer.
- Withstands extremes in temperature.
- Buffing removes mars and abrasions.
- Low odor nontoxic formula.
- Available in 100 colors and clear.

PERFORMANCE DATA

SM-1000 Revolution Marine Paint

COLOR(S): Clear and Wide Range of Colors.

PRODUCT TYPE: Silicone-Epoxy Copolymer Coating.

DESCRIPTION: Revolution is a unique, high-gloss, high-performance marine coating that features the toughness of epoxy, and the weatherability and durability of silicone alkyd. It is a fully submersible waterproof barrier coating resistant to many alkalis chemicals and staining agents. It is self-leveling and is acceptable in higher heat applications. It resists chipping, peeling and cracking on properly-prepared substrates and is UV stable, colorfast and wipes clean easily with a damp cloth.

INTENDED USES: Use on all properly-prepared substrates such as metal, wood, fiberglass, aluminum, concrete, and composite materials. It may be used on plastics; test for adhesion prior to a full application. Recommended as a maintenance coating in virtually all interior and exterior marine applications including marine use such as on ships and barges, structural steel equipment, machinery, and tanks. It is acceptable for long term submersion duty.

PRODUCT BENEFITS:

*High Solids, Low V.O.C.	*Hard yet Flexible Film	*High Gloss With Excellent Gloss Retention
*Long-Term Submergibility	*Self Leveling Film	*Excellent Adhesion to prepared surfaces
*Resistant to Many Alkalis	*Highly Water-Resistant	*Resistant to Chalking &, Fading
*Resists Peeling & Cracking	*Weather-Resistant	*Withstands heat to 400F

PHYSICAL CHARACTERISTICS

VISCOSITY: 85-90 k.u.	DRY TO TOUCH: 2-4 hours
WEIGHT SOLIDS: 70-72%	RECOAT: 24 hours
VOLUME SOLIDS: 54-56%	CLOR RANGE: Clear and Many Colors
WEIGHT PER GALLON: 10.1 (White)	COVERAGE: 700 sq. ft. per gallon @ 1 mil dry
V.O.C.: 337 grams per liter	FLASH POINT: 105° F

SURFACE PREPARATION: Surface preparation is critical. Recommend SM-695 Etching Cleaner on steel, fiberglass, aluminum, concrete and plastic. Previously painted surfaces must be thoroughly cleaned and free of residues, oily film, and loose paint chips. Always wire brush, blast, sand or grind before priming or painting. Areas where all of the old coating has been removed must be spot primed before applying finish coat.

NEW SURFACES: Use only recommended primers: SM-7390 Formula 150 Polyamide Epoxy Primer or SM-664D Etching Primer. Ferrous metals, (steel, iron, etc.): Clean thoroughly, sandblast, grind or wire brush. Recommend SM-695 Etching Cleaner. Where rust is evident use SM-5679 Rust Converting Cleaner. Prime with SM-7390 or SM-664D Primer according to individual requirements. Aluminum: Must be thoroughly cleaned with SM-695 Etching Cleaner, primed with SM-117 Pre-Wash Primer, use SM-664D Etching Primer as intermediate primer. Galvanized & Stainless Steel: Must be thoroughly cleaned, etched, primed with SM-117 Pre-Wash Primer in combination with SM-664D Primer. Wood: Prime or Seal wood before application. Recommend SM-664D Etching Primer. Apply multiple coats as desired. Apply two or more coats of Revolution over sealed surface. For Fine Finishing: Remove all surface scratches. Begin with 100 or 220 grit sandpaper and finish off with 300 or 400 wet/dry paper. Remove all surface contaminants with Denatured Alcohol on a clean, lint-free cloth. **DO NOT USE TACK CLOTHS CONTAINING OILS, WAXES OR SILICONES.** If Oil Stain is Used to Color the Wood: Make sure that the stain has dried a minimum of eight hours before applying successive finishes. Lightly sand or buff between coats with a good 220 grit sandpaper.

APPLICATION: IMPORTANT: Maximum WFT is 2 MILS per coat. Too thick application may result in a failed job. Recommended DFT 3.4 MILS. May be brushed rolled or sprayed. For best results in brush and roll applications dilute Revolution 5-15% with SM-605 Thinner or 20-25% with SM-101 Thinner. Tipping is not usually necessary. Apply multiple coats as needed to achieve desired film build. Subsequent coats may be applied within one hour. For best results wait 12-24 hours between coats. Recoat within 48 hours or (lightly sand between coats).

THINNING: Thin with SM-605 Thinner (5-10%) or SM-101 Thinner (15-20%). Do not substitute.