



The Environmental Paint Company

SunWave® Bottom Paint NON-TOXIC FOUL RELEASE COATING

TECHNICAL DATA SHEET (2012-01)

- **Biocide-free, Non-toxic Foul Release Coating Designed for Boat Bottoms**
- **Perfect for Pontoon, Trailered, Dry-sailed, Dry-stacked and All Boats in Marinas Where Copper and Toxic Pesticides are a Concern**
- **Mar-resistant and Scrubbable**
- **Hybrid Self-Polishing Finish Incorporates Benefits of Both Hard & Abrasive Type Paints**
- **Water-based Formula**
 - **No Harsh Solvent Smell**
 - **Fast Drying**
 - **Clean Up With Soap & Water**
- **Unlimited Coat to Launch Time**

GENERAL DESCRIPTION

SunWave® is an advanced two-part, water-based, foul release coating perfect for pontoon boats, frequently trailered boats, dry-sailed boats, dry-stacked boats, as well as all boats in marinas and waters where copper and toxic pesticides are of concern. SunWave® is safe for use in fresh and salt water environments. SunWave® offers a hard, mar-resistant finish that holds up well to routine in-water maintenance cleaning. SunWave® does not contain any pesticides and features ePaint's patented photo-active technology. SunWave® is copper-free and will not promote corrosion on metal surfaces and may actually be applied to bare aluminum, use of an epoxy primer is optional. SunWave® is safe to haul and launch out of the water and its unlimited coat-to-launch time allows for painting anytime of the year.



APPLICATION INFORMATION

SunWave® may be applied by traditional painting techniques. SunWave® is not compatible over most existing antifouling paints but may be applied over epoxy-type barrier coats. Follow instructions set forth in this technical data sheet for detailed information for your particular application.

SURFACE PREPARATION

Proper surface preparation is an important step for a coating system that performs properly and lasts. Follow recommendations set forth in the following sections carefully. Inadequate surface preparation will result in poor coating performance.

MAINTENANCE

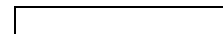
SUNWAVE® is a foul release coating, it is not an antifouling paint; periodic maintenance scrubbing and/or boat movement will be required to keep hull clean. No bottom paint can be effective under all conditions of exposure. Pollution and natural occurrences can adversely affect bottom paint. Extreme air and water temperatures, silt, dirt, oil, poor water clarity, and low oxygen levels can harm bottom paint. Therefore, ePaint suggests that the bottom of the boat be checked regularly to make sure it is clean and that no growth is occurring. Lightly scrub the bottom with a soft brush or cloth to remove anything from the bottom paint surface. Scrubbing is particularly important to boats that sit idle for extended periods of time in high fouling bodies of water. Bottom paints are generally more effective when the boat is used periodically.

PHYSICAL DATA

COLORS:

401 BRIGHT WHITE

701 LIGHT GRAY



COMPONENTS: Two

PACKAGING: Quart and gallon kits

SHELF LIFE: 1 Year from DOM

VEHICLE TYPE: Water-based epoxy

CURING MECHANISM: Chemical cure

MIXING RATIO:

4.3 Parts A to 1.0 Part B by Volume

8.1 Parts A to 1.0 Part B by Weight

POT LIFE: 2 hours at 70°F (21°C)

INDUCTION TIME: 15 minutes

SOLIDS BY VOLUME: 45% ± 2%

COVERAGE: 210 ft²/gal at 3.5 mils dry

VOC: 1.42 lb/gal (170 g/L)

THINNER: Bottled water, 10% max by vol.

FLASH POINT: NA

STORAGE: Between 35°F and 80°F

ACTIVE INGREDIENT: None, Biocide-free

APPLICATION DATA

METHOD: Traditional methods; brush, roller (3/8" nap or foam) or spray

NUMBER OF COATS: 2 full coats with additional coat(s) at waterline and leading edges (e.g. bow, keel, rudder, chines)

WET FILM THICKNESS/COAT: 6-8 mils

DRY FILM THICKNESS/COAT: 3-4 mils

APPLICATION TEMP: 50°F to 90°F

DRY TIME* (Hours):

Temp	To Recoat	To Launch
90°F	5	14
70°F	6	18
50°F	12	28

*The above dry times are minimums. Re-coat within 7 days to avoid additional surface prep (i.e. sanding)

COAT- TO-LAUNCH TIME: Not critical

COMPANION PRODUCTS

- EP-PRIME 1000 Multi-Purpose Epoxy Primer



- EP-STRIP Water-based, Non-caustic Paint Remover

- E-PROP & EP-21 Aerosol Kits for Props & Running Gear



- Wet Film Thickness Gage



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APPLICATION DETAILS

Visit www.ePaint.com or contact an ePaint Technical Representative for answers to questions regarding application of this product before painting. SunWave[®] may be applied by traditional painting techniques. All surfaces to be painted shall be clean prior to sanding and painting. Only apply SunWave[®] when substrate and ambient air temperature are between 50°F and 90°F. Do not paint when substrate is wet from rain or dew, or when surfaces are less than 5°F above the dew point and holding or when relative humidity is greater than 85%. Do not apply SunWave[®] over traditional antifouling paints, remove first. Follow Dry Times listed on the opposite page. Mix SunWave[®] Part A base thoroughly before addition of Part B to ensure materials are uniformly dispersed throughout the can as settling of solids can occur. Once mixed allow material to sit for 15 minutes before use. Pot life is approximately 2 hours upon mixing; colder temperatures will increase the pot life and warmer temperatures will decrease the pot life. If material thickens, discard and use fresh material. Keep cans out of direct sunlight.

PREVIOUSLY PAINTED SURFACES:

Traditional Antifouling Paints: SunWave[®] is not compatible over most antifouling paints. Remove existing antifouling paint with ePaint EP-Strip non-caustic paint remover or an alternative method (e.g. soda blasting)

Existing SunWave[®] Surface: Any old loose, cracking, peeling, and flaking paint should be removed. Thoroughly wash the existing surface with water. Abrade existing SunWave[®] with 80 grit sandpaper, wipe away dust and debris with water soaked rag, and allow to air dry. Following instructions set forth in the Application Data section on the previous page, apply two full coats of SunWave[®] with additional coats around the waterline and leading edges.

Epoxy-type Primers & Barrier Coats: SunWave[®] is compatible over most epoxy-type primers, such as ePaint EP-Prime 1000, that are in good condition and thoroughly roughened with 80 grit sand paper. A fresh tie-coat of epoxy primer may be applied for improved adhesion; if desired apply a fresh tie-coat of EP-Prime 1000 epoxy primer and then apply the first coat of SunWave[®] when the epoxy primer is still soft but tack-free to finger pressure. Following instructions set forth in the Application Data section on the previous page, apply a total of two full coats of SunWave[®] with additional coats around the waterline and leading edges.

FIBERGLASS: SunWave[®] may be applied directly to bare fiberglass that is clean and free of contaminants. Optionally, ePaint EP-Prime 1000 epoxy primer may be used for improved adhesion and to reduce the potential for water migration on boats that are in service year round. Take care to thoroughly clean and remove all mold release agents and boat finishing wax residue prior to sanding; mechanically abrade fiberglass hull with 80 grit sandpaper to create a dull matte finish and wipe away all dust and debris.

GOOD: Apply SunWave[®] directly to clean bare fiberglass. Following instructions set forth in the Application Data section on the opposite page apply three full coats with additional two coats around the waterline and leading edges.

BETTER: Apply one tie-coat of EP-Prime 1000 epoxy primer and then apply the first coat of SunWave[®] when the epoxy primer is still soft but tack-free to finger pressure. Following instructions set forth in the Application Data section on the previous page, apply a total of two full coats of SunWave[®] with additional coats around the waterline and leading edges.

BEST: Fiberglass boat bottoms are potentially susceptible to water migration and can potentially form osmotic blisters within the gelcoat and into the laminate. To render the bottom as water impermeable as possible, apply three full coats of ePaint EP-Prime 1000 multi-purpose epoxy primer. Apply the first coat of SunWave[®] when the epoxy primer is still soft but tack-free to finger pressure. Following instructions set forth in the Application Data section on the previous page, apply a total of two full coats of SunWave[®] with additional coats around the waterline and leading edges.

ALUMINUM: SunWave[®] is self-priming on bare aluminum and will not promote galvanic corrosion. ePaint EP-Prime 1000 epoxy may be applied for ultimate adhesion. All aluminum surfaces should be thoroughly clean to remove all contaminants such as oil, grease, flux, salts, dirt, debris, etc. before abrading and painting.

GOOD: SunWave[®] may be applied directly to new aluminum surfaces without the use of an epoxy-type primer. This option is perfect for aluminum pontoon and small power boats. Welded areas should be primed first with ePaint EP-Prime 1000 for improved adhesion (see next step). Following instructions set forth in the Application Data section on the previous page, apply a total of two full coats of SunWave[®] with additional coats around the waterline and leading edges.

BETTER: Mechanically abrade existing aluminum surface with 80 grit sandpaper to achieve a rough surface profile and wipe away dust and debris. Welded areas should be primed first with ePaint EP-Prime 1000 for improved



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adhesion (see next step). Following instructions set forth in the Application Data section on the previous page, apply a total of two full coats of SunWave[®] with additional coats around the waterline and leading edges.

BEST: Application of a tie-coat of ePaint EP-Prime 1000 may be used for ultimate adhesion. All direct to metal coatings provide maximum performance over blasted surfaces. Metal surfaces should be prepared to no less than a near-white metal cleanliness in accordance with NACE 2/SSPC-SP-5/SA 2.5 specifications. Abrasive blast or mechanically abrade with 80 grit aluminum oxide sandpaper to achieve a 1.5 - 2.5 mil (38 - 63 micron) depth profile in a sharp, jagged pattern as opposed to a peen pattern from shot-blasting; *immediately* prime with EP-Prime 1000 corrosion inhibiting epoxy primer. Apply the first coat of SunWave[®] when the epoxy primer is still soft but tack-free to finger pressure. Following instructions set forth in the Application Data section on the previous page, apply a total of two full coats of SunWave[®] with additional coats around the waterline and leading edges.

STEEL: All steel surfaces must be primed with a minimum of two coats of ePaint EP-Prime 1000 corrosion inhibiting epoxy primer. All direct to metal coatings provide maximum performance over blasted surfaces. Metal surfaces should be prepared to no less than a near-white metal cleanliness in accordance with NACE 2/SSPC-SP-5/SA 2.5 specifications. Abrasive blast or mechanically abrade with 80 grit aluminum oxide sandpaper to achieve a 1.5 - 2.5 mil (38 - 63 micron) depth profile in a sharp, jagged pattern as opposed to a peen pattern from shot-blasting; *immediately* prime with EP-Prime 1000 corrosion inhibiting epoxy primer. Apply final coat of EP-Prime 1000 next day to within one week. Apply the first coat of SunWave[®] when the epoxy primer is still soft but tack-free to finger pressure. Following instructions set forth in the Application Data section on the previous page, apply a total of two full coats of SunWave[®] with additional coats around the waterline and leading edges.

WOOD: Contact an ePaint technical representative for detailed instructions.

PLASTIC: Heavily abrade with 60-80 grit aluminum oxide sandpaper to achieve a roughened surface profile; remove dust and debris by rinsing with clean water; allow to thoroughly dry. Following instructions set forth in the Application Data section on the previous page, apply a total of two full coats of SunWave[®] with additional coats around the waterline and leading edges.

CONCRETE: Hydro-blast surfaces to clean. Following instructions set forth in the Application Data section on the previous page, apply a total of two full coats of SunWave[®] with additional coats around the waterline and leading edges.

CLEAN UP: Immediately cleanup spray equipment and brushes with water. Do not use solvent for cleanup until equipment and lines have run clean. Dispose of any unused materials according to Federal, state and local laws.

CONSIDERATIONS: SUNWAVE[®] is a release coating, it is not an antifouling paint; periodic maintenance scrubbing and/or boat movement will be required to keep hull clean. ePaint's are photoactive and wear fastest where sunlight is most intense, the waterline area, and why waterline coats are required.

TIPS: Due to the photo-active nature of ePaints, additional coats around the waterline are strongly recommended to extend coating service life. Stripe coating high wash areas and leading edges such as the bow, keel, rudder, chines and sterngear is also recommended to extend coating service life. SunWave[®] does not need to be thinned under most conditions but for spray application or application in warm climates reduce only with mineral-free bottled water. SunWave[®] is slightly translucent by design and the first coat may show through underlying paint of a sharp contrasting color; consecutive coats will hide. If wet sanding and polishing is desired, do this step after applying the final coat, not between coats.

SAFETY: See individual label for health and safety data. MSDS may be requested by contacting ePaint Company.