

# Waterlox Marine Finishing System

(Exterior Grade)

## DESCRIPTION

Our Waterlox Marine Finishes are traditional exterior Tung oil spar varnishes developed to be used as a topcoat over our Waterlox Marine Sealer<sup>1</sup>. Together, this finishing system will penetrate, protect, remain flexible and beautify your wood against the harmful elements of moisture, Ultraviolet rays, fresh and salt water, as well as heat and cold. Our Marine Finish is available in High Gloss (TB3940) and Satin Sheen (TB6032).

## PERFORMANCE HIGHLIGHTS

Features	Benefits
Tung oil-based	Penetrates surface Easy to maintain Enhances beauty of wood
Flexible	Moves with the wood Does not chip Tolerates wide temperature range
Water resistant	Holds up to rain, sleet, snow, fresh or salt water
Resistant to Ultraviolet rays	UV causes the gloss level to fade which is the key to knowing it's time to re-coat

Protecting outdoor wood surfaces in direct Ultraviolet rays with clear topcoats that allow the natural beauty of the wood to shine through can be difficult. In fact, it is one of the coatings industry's toughest assignments. Surface preparation and regular maintenance are two key factors that have to be followed in order to finish and protect outdoor wood surfaces.

With Waterlox, maintenance is as simple as applying another coat without any surface preparation other than cleaning. You also will have sufficient time to recoat before the wood becomes unprotected.

## WHERE TO USE

The Waterlox Marine Finishing System can be used on a variety of exterior wood surfaces including:

- All marine brightwork (boat teak and woodwork)
- Outdoor wood furniture
- Exterior wood doors and window casings
- Wood garage doors and trim
- Wood ceilings (not in direct sunlight/UV)
- Covered wood porch floors (not in direct sunlight/UV)

In general, exterior horizontal surfaces, such as decks, produce maintenance issues. Therefore, we do NOT recommend Waterlox products for use on decks that are exposed to full UV rays.

Waterlox Marine Finish should not be applied over outdoor pressure-treated lumber. We suggest using a product designed specifically for this application.

## **SURFACE PREPARATION**

Waterlox Marine Finish is designed as the topcoat portion of our Marine finishing system. The system performs best over bare wood and is not designed for use as a top coat over other previously finished surfaces.

### **NEW, WEATHERED OR UNCOATED WOOD**

Prepare the surface by sanding with 80 – 120 grit sandpaper and wipe clean with a tack cloth or cloth dampened with paint thinner. Other methods of prepping weathered wood such as: deck cleaners (oxalic acid), TSP (trisodium phosphate), power washing or a liquid bleach solution, are also acceptable. Follow instructions provided by the manufacturer and always clear water rinse the wood surface and let dry for at least a minimum of 48 hours before applying Waterlox Marine Sealer<sup>1</sup>.

If there are any glossy patches or mill glaze, scuff those areas with 60-80 grit sandpaper.

We do not recommend coating over new pressure-treated wood or lumber that is water-repellent treated. These surfaces may require up to one year of weathering before they can be coated.

Always remove any mildew, fungi or nail rust prior to application. Use either oxalic acid or a bleach solution for this and always use a clear water rinse after cleaning.

### **PREVIOUSLY FINISHED SURFACES**

Strip previously finished surfaces to bare wood for best results. Then apply as described under “New Wood Application”.

### **COVERAGE/THINNING**

One gallon covers 500 square feet per coat. One quart covers 125 square feet per coat. The number of coats depends upon the porosity of the wood. No thinning necessary.

### **DRY TIME**

24 hours between coats. Poor ventilation, high humidity or cool temperatures may increase dry times.

### **APPLICATION**

Waterlox Marine Finish was developed to be applied as a system with Waterlox Marine Sealer<sup>1</sup>. Please follow all recommended application procedures.

## NEW WOOD APPLICATION

1. Waterlox Marine Sealer<sup>1</sup> and Marine Finish High Gloss do not require shaking or stirring. Waterlox Marine Finish Satin does required stirring before and during use.
2. Waterlox may alter the appearance of the wood. Waterlox Marine Sealer and Marine Finishes are based in Tung oil, which brings out the natural patina of wood. Apply all intended coats in an inconspicuous area or a test sample board before beginning the entire project.
3. Apply all coats liberally, with the grain, using a quality natural bristle brush.
4. For hardwood species, apply 1 coat of Waterlox Marine Sealer<sup>1</sup>. For soft wood species, apply 2 coats of Waterlox Marine Sealer<sup>1</sup>. Allow each coat to dry for 24 hours.
5. Apply 2 coats of Waterlox Marine Finish High Gloss or Satin Finish. Allow each coat to dry for 24 hours.
6. Sanding between coats is not necessary for adhesion purposes. For aesthetic reasons, you can perform a light sanding with fine sandpaper, steel wool (0000) or buff with a 3M<sup>®</sup> white pad.

<i>For best results:</i>	
<ul style="list-style-type: none"><li>• Apply when surface and air temperatures are between 45° Fahrenheit and 90° Fahrenheit (7-35° Celsius)</li><li>• Saturate all end grains well</li><li>• Apply in the direction of the grain</li><li>• Allow 24 hours between coats</li><li>• Moisture content of wood should be below 18%</li></ul>	<ul style="list-style-type: none"><li>• Do not apply in direct sunlight</li><li>• Do not apply when surface is hot to the touch</li><li>• Do not apply when rain or dew is expected within 4 hours</li><li>• Do not shake or stir contents of cans</li><li>• Do not thin</li></ul>

## PREVIOUSLY FINISHED WOOD

Strip previously finished surfaces to bare wood for best results. Then apply as described under “New Wood Application”.

## STAINING

Our Waterlox Marine Finishing System is based in Tung oil and may add a patina to the wood that eliminates the need for stain. Conduct a test area in an inconspicuous area of the project or on a test board with all the intended coats to help determine the need for stain and prior to beginning the entire project.

If stain is chosen, it can be done prior to the first coat of Waterlox Marine Sealer<sup>1</sup>. Follow the manufacturer’s directions for use and dry or allow the stain to dry for 72 hours, whichever is longer. Also, the stain coat is not included in the number of coats needed to finish the project.

## **CLEAN UP**

Clean application tools immediately with regular mineral spirits or turpentine. Properly dispose of rags, applicators and waste.

## **STORAGE AND DISPOSAL**

Keep container closed when not in use. Partially filled containers of Waterlox finishes may gel due to displacement of used product with oxygen. Since the product dries through oxygen, it needs to be removed. To remove the oxygen, use Bloxygen (an inert gas heavier than air); add clean marbles or stones to the container or transfer unused product into a smaller, tightly sealed metal can or glass jar.

## **MAINTENANCE**

Once the gloss level of the film begins to fade it is time to recoat the surface. Sanding down to bare wood is not necessary. Simply clean the surface and recoat with a coat of Waterlox Marine Finish (same formula used as the last coat in the system – High Gloss or Satin Finish)

To determine if recoating is necessary, spray water lightly on the wood surface. If the water darkens the wood, then it's time to recoat.

Maintenance schedules vary widely according to the location and exposure of the wood surface to the harmful outdoor elements. However, the following general rules apply.

### **Little or No Direct Sunlight**

If Waterlox Marine Finish is applied on a wood surface in a location that receives little or no direct sunlight, you may never have to re-apply or perform any other general maintenance other than an occasional washing of the surface to remove any dirt accumulation that might occur. Maintenance can be performed by using a low-psi power washer or a mop or sponge with a mild solution of soap or white vinegar. You may also use our Waterlox Original Cleaner Concentrate. Simply wash the surface and rinse with clear water. This is recommended to prevent a build up of dirt that traps other harmful chemicals or provides a breeding ground for mold or bacteria.

Never use phosphorous or ammonia-based cleaners on any Waterlox Tung oil product. An occasional washing/cleaning with a 5% bleach and water solution is acceptable, but not on a reoccurring basis (weekly or more).

### **Partial or Full Sunlight**

If Waterlox Marine Finish is applied on a wood surface in a location that receives partial or full sunlight, the above cleaning procedure should be followed as often as needed to reduce the accumulation of dirt build-up. The length of time and intensity of outdoor exposure will require a re-coat of the product that will be determined by a visual inspection of the surface. A re-coat should be performed before or when there is:

- Any noticeable graying of the wood surface
- Any whitening of the surface (matte or no gloss appearance)
- Any other appreciable color change

- Any staining by natural elements (water run off lines, rust staining from gutters or any other metallic source) - wash these areas to remove the staining prior to re-coating
- Any other erosion or suspected film loss

Prior to re-coating the surface, wash the surface completely using a low-psi power washer or a mop or sponge with a mild solution of soap or white vinegar. You may also use our Waterlox Original Cleaner Concentrate. Simply wash the surface and rinse with clear water. Once the surface is clean and dry, apply another full-bodied (no thinning with solvent) coat of Waterlox Marine Finish in the same manner as it was initially applied. It is imperative to keep the film build at or near initial thickness and the surface as clean as possible to provide the proper protection. Do not apply a coat in direct sunlight.

#### Extreme Conditions

If Waterlox Marine Finish is applied on a wood surface in a location that is subject to extreme conditions, such as near the ocean or near an industrial setting where wind, rain, dirt, salt and intense sunlight are prevalent, the surface may need to be re-coated once or twice per year.

#### **PRODUCT INFORMATION HOTLINE**

To answer any wood finish questions or for more information, visit our website at [waterlox.com](http://waterlox.com) or call 800.321.0377 Monday – Friday, 9am-4pm EST (excluding holidays).

#### **CAUTIONS**

Do not use Waterlox Marine Sealer or Marine Finish over wax.

To avoid spontaneous combustion during temporary storage, soak soiled rags and waste immediately after use in a water-filled, closed metal container.

For MSDS information, visit our website at [Waterlox.com](http://Waterlox.com).

**DANGER! CONTAINS MINERAL SPIRITS. COMBUSTIBLE LIQUID AND VAPOR. HARMFUL OR FATAL IF SWALLOWED. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.**

<sup>1</sup> Waterlox Marine Sealer and Waterlox Original Sealer/Finish can be used interchangeably.