

# DEFY MARINE SEAL WOOD DOCK STAIN AND SEALER

## PRODUCT DATA

### DEFY Marine Seal™ Wood Dock Stain And Sealer

**MANUFACTURER:** SaverSystems

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## DESCRIPTION

**DEFY Marine Seal Wood Dock Stain** is a long-lasting, semi-transparent dock stain specially formulated for the use in the harsh marine environment. DEFY Marine Seal Wood Dock Stain is suitable for use on all types of wooden docking materials, providing extreme durability against the harmful damaging effects of exposure to both fresh and salt water. DEFY Marine Seal Wood Dock Stain has been specially formulated, using state-of-the-art nano particle technology, to provide superior resistance against ultraviolet color fade and mold and mildew growth.

## USES

New cedar docks should be cleaned and stained as quickly as possible to avoid damage from the sun and rain. Let "oil-rich" woods, such as mahogany, weather six months prior to application. New pressure treated lumber typically contains a high degree of moisture and should be allowed to weather for 6 - 12 months prior to staining.

## BENEFITS

- Toughness And Durability Of "Nano Particle Technology"
- Rapid Dry Time
- 250 V.O.C. Compliant
- Environmentally Friendly For "Clean Marinas"

## DIRECTIONS FOR USE

**STRIP:** To achieve optimum results in appearance, DEFY Marine Seal Wood Dock Stain should not be applied over previously stained surfaces, painted surfaces or varnished surfaces.

**CLEAN:** Dock surfaces must be clean, porous, and dry before applying DEFY Marine Seal Wood Dock Stain. Use DEFY Marine Seal Wood Dock Cleaner to remove mill glaze, mildew, graying and other foreign matter that might block surface pores and interfere with product penetration. Rinse thoroughly with garden hose or pressure washer (maximum 1200 p.s.i.). DEFY Marine Seal Wood Dock Cleaner will darken redwood and some types of cedar; apply cleaner in a test area to insure proper results prior to proceeding on the entire project.

## APPLICATION

**Weather Conditions:** Surface and air temperatures should be between 45°F. and 95°F. Avoid application in direct sunlight. Although surface may be slightly damp, do not apply to wet or water saturated surfaces, or when rain is expected within 12 hours. **Water Test:** After allowing the wood to thoroughly dry from cleaning, sprinkle a few drops of water on the wood. It should soak in within a few seconds. If it doesn't, then don't apply the stain. The wood is either not dry enough or not porous enough to accept the stain correctly. Test a small area before starting general application to assure desired results.

**Mix Well:** Shake or stir contents before and periodically during use. To ensure absolute color uniformity from container to container, mix at

least one third of the product from a used container with the contents of a new one. Do not thin product.

**Protect Adjacent Areas:** Use plastic, and/or drop cloths to protect all adjacent non-targeted surfaces such as boats, walkways, plant life, etc. from stain splatter and runoff. Immediately remove stain from non-targeted areas with soap and water. Stain that is allowed to dry will be difficult to remove; dried product cannot be removed from concrete and masonry.

**Use The Right Equipment:** To minimize the amount of stain run-off into the water, sprayer application is not recommended. Hand brushes should be high quality nylon or polyester. A pad applicator or deck brush may also be used.

**DOCKS:** Start by applying 2 coats of DEFY Marine Seal Wood Dock Stain to the railings, benches, and undersides of upper level decks (only one coat is required on undersides). When applying two coats, allow the first coat to dry to the touch before applying the second coat. Once underside is treated, immediately brush out all excess, drips, etc. on top of deck. Treat horizontal surfaces last.

**HORIZONTAL SURFACES:** Apply two coats, allowing the first coat to dry to the touch before applying the second coat. Brush product into surface working out all drips, puddles, or areas of over application before product dries. Do not over apply stain. To avoid the possibility of peeling, apply only as much stain as the wood can easily absorb. A sure indication of over application is a shiny finish. Complete entire sections or to a natural break before allowing to dry. Never break in the middle of a board as it will cause unsightly color variations. Thoroughly coat the ends of boards to prevent water penetration.

**COMPOSITE WOODS:** When staining composite lumber and exotic hardwoods, allow materials to weather for no less than 12 months. Prior to staining, clean all surfaces using DEFY Marine Seal Wood Dock Cleaner per label directions. For all composite wood and exotic hardwoods apply one coat of stain. For complete product details refer to DEFY Marine Seal Wood Dock Stain Product Data Sheet.

**Dry Time:** To touch, 1 - 3 hours depending on temperature and humidity. To avoid any stain being tracked onto boats, check surface for "tracking" prior to re-opening the dock to foot traffic.

**Note:** The "wet" color of DEFY Marine Seal Wood Dock Stain has a cloudy/milky appearance but will dry to a beautiful, semi-transparent finish. **Clean-up:** Clean tools and equipment immediately after each use with soap and water. Coverage: With two coats, one gallon of DEFY Marine Seal Wood Dock Stain will cover approximately 100 - 150 sq. ft., depending on wood texture and porosity.

## MAINTENANCE

When wood begins to fade a light maintenance coat is recommended. Simply sprinkle water on the surface of the wood. If the water is easily absorbed within 1 - 2 seconds, the stain has weathered sufficiently to be recoated.

## CAUTIONS

**Keep out of reach of children!** Do not take internally. Avoid contact with eyes and skin. Use eye protection when using DEFY Marine Seal Wood Dock Stain. Avoid breathing mist. Close container tightly after each use. Do not re-use containers.

**First Aid:** External: Wash skin with soap and water. **Eye contact:** Immediately flush with clean water for 15 minutes. Consult a physician. **Internal:** If swallowed, give two (2) glasses of

water, induce vomiting. Call a physician or poison control center immediately.

## LIMITED WARRANTY

Our recommendations for use of this product are based upon tests believed to be reliable. Since field conditions vary widely, the user must determine the suitability of the product for the particular use and specific method(s) of application. Due to the fact that SaverSystems has no control over surface preparation and application methods, no guarantee as to results is offered, expressed, or implied. SaverSystems warrants this product to be free from manufacturing defects. SaverSystems' liability shall be limited in all events to supplying enough product to re-treat the specific areas to which defective product has been applied. This warranty does not include the cost of labor for application. SaverSystems shall not have any other liability including direct, incidental, or consequential damages. Some states do not allow the exclusion of incidental or consequential damages so this limitation or exclusion may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

## PACKAGING

Available in 5 gallon recyclable plastic containers.

## TRANSPORT AND STORAGE

DEFY Marine Seal Wood Dock Stain And Sealer is not considered hazardous under Department of Transportation regulations. Do not stack pallets. Keep product from freezing.

## PHYSICAL PROPERTIES

<b>Composition</b> .....	A blend of synthetic resins with Nano Particle Technology
<b>Solvent</b> .....	Water
<b>Specific gravity at 25° C.</b> .....	(.99)
<b>Density</b> .....	(8.25 #/gallon)
<b>Flash point</b> .....	none
<b>VOC Content</b> .....	<250 gr/lit Freeze/thaw stability up to 5 cycles
<b>Shelf Life</b> .....	18 months in original sealed container

## TECHNICAL DATA

**Test Results: ASTM D5401:** Percent water absorption on wood treated with DEFY <1%.  
**ASTM G53:** Accelerated weathering (QUV) 2,500 hours. Excellent color retention; no loss in water repellency.  
**Outdoor Exposure:** Indiana and Florida test fences. No graying, no loss in water repellency.