

# DEFY WOOD OIL FOR DECKS

## PRODUCT DATA

### DEFY® Wood Oil for Decks

MANUFACTURER: SaverSystems

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## DESCRIPTION

DEFY Wood Oil for Decks is an extremely durable waterborne, semi-transparent wood finish that helps protect against the damaging effects of water, fungi, and UV radiation on all types of wood surfaces.

This environmentally friendly, V.O.C. compliant water-based product provides superior protection for your wood by blocking out the sun's harmful UV rays, moisture and fungal growth. Applications for Defy Wood Oil for Decks include outdoor decks and railings, fences, gazebos and other wood structures as well as wood siding, shakes and log homes. Defy Wood Oil for Decks can be used on a wide variety of woods including pressure treated lumber, pine, fir, cedar, redwood and hardwoods such as mahogany, teak and ironwood.

## SURFACE PREPARATION

New cedar should be cleaned and stained as quickly as possible to avoid damage from the sun and rain. You must allow pressure treated lumber and "oil-rich" wood, such as mahogany to weather for 3 to 6 months to adequately dry out prior to application.

**STRIP:** Do not use DEFY Wood Oil for Decks over painted or varnished surfaces. These surfaces must be stripped with DEFY Exterior Wood Stain Stripper prior to application of the product. Defy Wood Oil for Decks is compatible with other penetrating waterborne stains and can be applied directly over them without complete removal. Color "shadowing" can occur so apply in a test area, to insure desired results, prior to complete staining.

**CLEAN:** Wood surfaces must be clean, porous, and surface dry before applying DEFY Wood Oil for Decks. Use DEFY Wood 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 power washer (maximum 1200 p.s.i.). DEFY Wood Cleaner will darken redwood and some types of cedar; however, this darkening will disappear once the wood is treated with DEFY Wood Brightener.

**BRIGHTEN:** While surface is still wet from cleaning, use DEFY Wood Brightener to neutralize the wood, restore the wood to its natural color, and open the pores of the wood, allowing the stain to be more easily absorbed.

With DEFY Wood Oil for Decks, you can clean and stain your deck the same day. After allowing the deck surface to visually dry from cleaning and brightening, sprinkle a few drops of water on the wood. It should soak in within a few seconds. If the water easily absorbs, continue with the staining process. If it doesn't, then don't apply the finish. The wood has either not been cleaned sufficiently or is not porous enough to accept the finish correctly. A second application of cleaner or stain stripper may be necessary. Test a small area before starting general application to insure desired results.

## 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.

**MIX WELL:** Shake or stir contents before and periodically during use. Do not thin product.

**PROTECT ADJACENT AREAS:** Use plastic, cardboard, and/or drop cloths to protect all adjacent non-targeted surfaces such as siding, windows, masonry, plant life, etc. from overspray and runoff. Immediately remove overspray from non-targeted areas with soap and water. Overspray that is allowed to dry will be difficult to remove; dried product cannot be removed from concrete and masonry.

**USE THE RIGHT EQUIPMENT:** Hand brushes should be high quality nylon or polyester. A pad applicator or deck brush may also be used. For large areas a pump-up or an airless sprayer may be used. If using an airless sprayer, use tips between .011 and .015, and use the lowest pressure that achieves a uniform spray pattern to minimize fogging and overspray. When spraying, always back brush to ensure a uniform application, and to break the surface tension of the wood so the stain will penetrate deeper and last longer.

**DECKS:** Start by applying DEFY Wood Oil for Decks to the railings, benches, and undersides of upper level decks (only one coat is required on undersides). Once underside is treated, immediately brush out all overspray, drips, etc. on top of deck. Treat horizontal surfaces last.

**HORIZONTAL SURFACES:** On horizontal cedar, mahogany, and other dense woods apply only one coat of finish. For pressure treated lumber and other porous woods apply two coats of stain. Wait up to 2 hours, or until first coat is tacky to apply the second coat. Do not wait too long between coats. If the first coat is allowed to dry completely, it will repel the second coat rather than allowing the second coat to penetrate in to the wood. Brush product into surface working out all drips, puddles, or areas of overspray before product dries. Do not over apply finish.

To avoid the possibility of peeling, apply only as much finish as the wood can easily absorb. A sure indication of over application is a shiny appearance. Complete entire sections or to a natural break before allowing to dry. Never break in the middle of a board. Thoroughly coat the ends of boards or logs to prevent water penetration. All surface checks on logs should be thoroughly coated.

**VERTICAL SURFACES:** Start from the bottom and work up. Treat the entire length of a board before moving up. If necessary, brush or feather in to avoid lap marks. Brush in product before it dries and work out drips, runs, or overspray.

**WOOD SHINGLES:** Clean and test for porosity. Apply two, heavy saturation coats. Depending on porosity, a third coat may be necessary to achieve total saturation. Back brush between coats to ensure a uniform application. Brush out all drips and puddles. To avoid restart lines, start at the bottom and treat entire length before moving up.

**DRY TIME:** To touch, 2 to 6 hours depending on temperature and humidity. Allow 24 hours for deck to completely cure before using.

**CLEAN-UP:** Clean tools and equipment immediately after each use with soap and water.

**COVERAGE:** With two coats, one gallon of DEFY Wood Oil for Decks will cover approximately 100 - 150 sq. ft., depending on wood texture and porosity.

**MAINTENANCE:** When rain water immediately soaks into wood, or at the first sign of graying, a maintenance coat is required.

## 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 was applied. This warranty does not include the cost of labor 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 may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state.

**CAUTION:** Keep out of reach of children! Do not take internally. Avoid contact with eyes and skin. 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. VOC content <250 g/l.

## PACKAGING

Available in 5 gallon recyclable plastic containers.

## TRANSPORT AND STORAGE

DEFY Water Repellent Wood Stain is not considered hazardous under Department of Transportation regulations. Do not stack pallets. Keep product from freezing.

## PHYSICAL PROPERTIES

Composition	Natural and synthetic resin blend
Solvent	Water
Specific gravity at 25° C	(1.01)
Density	(8.4 #/gallon)
Flashpoint	none
VOC Content	less than 340 gr/ltr
Freeze/thaw stability	up to 5 cycles
Shelf Life	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. Excellent color retention, no loss in water repellency.