

#### MANUFACTURER:

**SaverSystems**  
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#### DESCRIPTION

DEFY Deck Stain for Hardwoods is a synthetic, semi-transparent wood stain specially formulated for use on smooth cedar, mahogany, redwood, and other dense or difficult to penetrate woods. The product also works well on composite woods.

This V.O.C. compliant, water-based formula penetrates deep into wood fibers providing maximum long-term protection from weather damage and color retention superior to conventional stains. When properly applied, DEFY's excellent penetration helps eliminate surface build-up and peeling.

#### USES

DEFY Deck Stain for Hardwoods can be used on interior or exterior smooth hardwood surfaces including: wood siding, decks, outdoor wood furniture, and other hardwood surfaces. For more porous surfaces such as pressure treated, pine and cedar log siding, or rough sawn lumber, use DEFY Extreme Wood Stain. DEFY Deck Stain for Hardwoods is available in three, semi-transparent colors: Cedar Tone, Light Walnut, and Natural Pine.

#### ADVANTAGES

- Specially formulated for smooth cedar and other dense or "oil-rich" woods
- Excellent on composite woods
- Resists flaking and peeling
- Soap and water clean-up
- Easy to maintain

#### DIRECTIONS FOR USE

**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.

**Surface Preparation:** Allow new wood to weather for three to six months to adequately dry out prior to application.

**Strip:** Do not use DEFY Deck Stain for Hardwoods over painted or varnished surfaces. These surfaces must be stripped prior to application of the product. If sanding is necessary to remove older finishes, use a coarse grit sandpaper. Avoid using fine grit sandpapers as they can adversely affect the penetration of the stain.

**Clean:** All wood surfaces must be clean, porous, and dry before applying DEFY Deck Stain for Hardwoods. 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 a 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 or stripping, 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.

**Water test:** After allowing the wood to thoroughly dry from cleaning and brightening, sprinkle a few drops of water on the wood. It should soak in within a few seconds. If it doesn't, then do not apply the finish. The wood is either not dry enough or not porous enough to accept the finish correctly. Test a small area for color and appearance before starting general application to assure desired results.

#### APPLICATION

**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, 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 deck brush or paint roller may also 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. A pump-up sprayer may also be used. When spraying or rolling, always back brush to ensure a uniform application, and to break the surface tension of the wood so the stain will penetrate deeper, adhere better and last longer.

**Decks:** Start by applying DEFY Deck Stain for Hardwoods 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. Treat horizontal surfaces last.

**Horizontal surfaces:** Apply two wet on wet coats, waiting up to 20 minutes between coats. **It is very important to not let the first coat dry completely before applying the second coat.** 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.

**Composite woods:** When staining composites, allow materials to weather for no less than 12 months. Prior to staining, clean all surfaces using DEFY Wood Cleaner per label directions. For all composite wood, apply only one coat of stain.

**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.

**Drying time:** To touch, two to six hours depending on temperature and humidity. Allow 24 hours for deck to completely cure before using. High humidity and low temperatures can greatly increase dry time.

**Coverage:** With two coats, one gallon of DEFY Deck Stain for Hardwoods will cover approximately 100 - 150 sq. ft., depending on wood texture and porosity.

#### CLEAN UP

Clean tools and equipment immediately after each use with soap and water.

#### CAUTIONS

**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

**If inhaled:** In all cases of doubt, or when symptoms persist, seek medical advice. Move the affected person away from the contaminated area and into the fresh air.

**If swallowed:** If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting unless directed to do so by a physician. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Immediately call a POISON CENTER or doctor/physician.

**For skin contact:** Remove/Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. Obtain medical attention if irritation persists.

**For eye contact:** Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention immediately.

For additional information for this product, consult the Safety Data Sheet available at [www.defywoodstain.com](http://www.defywoodstain.com).

#### 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.

#### PACKAGING

Available in one- and five-gallon recyclable plastic containers.

#### TRANSPORT AND HANDLING

DEFY Deck Stain for Hardwoods is not considered hazardous under Department of Transportation regulations. Do not stack pallets. **Keep from freezing.**

#### MAINTENANCE

Occasional cleaning with mild detergent and water will generally restore treated surfaces to their original appearance. DEFY Deck Stain for Hardwoods must be re-coated within 24 months, or when graying initially starts to appear. Prior to application, brightening with DEFY Wood Brightener is recommended to insure uniform color.

#### PHYSICAL PROPERTIES

COMPOSITION . . . . . Ultra small particle size synthetic resin  
SOLVENT . . . . . Water  
DENSITY . . . . . (8.4 lb/gal)  
VOC CONTENT . . . . . <250 g/L  
SHELF LIFE . . . . . 36 months  
FREEZE THAW STABILITY . . . . . Up to 5 cycles

#### 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.