



The Elements

PRODUCT DATA

PRODUCT NAME DEFY Deck Stain for Hardwoods®

MANUFACTURER

SaverSystems®
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DESCRIPTION

DEFY Deck Stain for Hardwoods is a synthetic, semi-transparent finish specifically formulated for use on cedar, mahogany, redwood, and other dense or difficult to penetrate woods. DEFY Deck Stain for Hardwoods also works well on composite woods. It is a VOC-compliant stain that penetrates wood pores to block out water and provide long-lasting protection from weather damage. The product's excellent penetration helps eliminate surface buildup 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 Epoxy Fortified Wood Stain.** DEFY Deck Stain for Hardwoods is available in Cedar Tone, Light Walnut and Natural Pine.

BENEFITS

- 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

Surface Preparation: New cedar 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.

STRIP: Do not use DEFY Deck Stain for Hardwoods over previously stained, painted, or varnished surfaces. These surfaces must be stripped using DEFY Exterior Wood Stain Stripper prior to application of the product. In all cases, once stripper has been used the wood must be neutralized by using DEFY Wood Brightener.

CLEAN: 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 garden hose or pressure 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.

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 rainfall is expected within 12 hours.

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 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, cardboard, and/or drop cloths to protect all adjacent non-targeted surfaces such as siding, windows, masonry, plant life, etc. from overspray and runoff.

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 Deck Stain for Hardwoods to the outside of railings (use a drop cloth under railings to prevent a buildup of DEFY on horizontal surfaces), 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: Apply two wet on wet coats, waiting up to 20 minutes between coats. It is

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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 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 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.

DRY TIME: To touch, 2 to 4 hours depending on temperature and humidity. Allow 24 hours for deck to dry before using.

NOTE: The "wet" color of DEFY Deck Stain for Hardwoods has a cloudy/milky appearance but will dry to a beautiful, semi-transparent finish.

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

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.

MAINTENANCE

Occasional cleaning with mild detergent and water will generally restore treated surfaces to their original appearance. For maximum protection a light maintenance coat is recommended when wood begins to fade. To test to see if the wood has weathered sufficiently to receive a maintenance coat, 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. To minimize darkening when applying

a maintenance coat, first brighten with **DEFY Wood Brightener**.

If the surface has been allowed to weather to the point of graying, or if significant darkening has occurred over time and cannot be adequately brightened, the stain should be removed using **DEFY Stain Stripper**, then neutralized with **DEFY Wood Brightener**, and finally re-stained with **DEFY Deck Stain for Hardwoods** per original application instructions.

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:** 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 the results is offered, expressed, or implied. SaverSystems warrants this product to be free from 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 1 and 5 gallon recyclable plastic containers.

TRANSPORT AND STORAGE

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

Keep product from freezing.

PHYSICAL PROPERTIES

Composition Ultra small particle size synthetic resin
Solvent Water
Specific gravity at 25° C. (.99)
Density (8.25 #/gallon)
Flashpoint. none
VOC Content less than 250 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.