

DEFY EXTREME SEMI-TRANSPARENT WOOD STAIN

PRODUCT DATA

DEFY® Extreme Exterior Semi-Transparent Wood Stain

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DESCRIPTION

DEFY Extreme Exterior Semi-Transparent Wood Stain is an extremely durable synthetic-resin, semi-transparent wood finish that helps protect against the damaging effects of water, fungi, and UV radiation on exterior wood surfaces.

This V.O.C. compliant water-based product is fortified with transparent "oxide" based Nano Particles. There are over 30 TRILLION Nano Particles per square inch that provide "extreme" protection for your wood by blocking out the sun's harmful UV rays, moisture and fungal growth.

USES

DEFY Extreme Exterior Semi-Transparent Wood Stain can be used on interior or exterior wood surfaces including: wood siding, log homes, decks, fences, shake shingles, outdoor wood furniture, pressure-treated and all other natural wood surfaces.

BENEFITS

- Toughness and durability of "Nano Particle Technology"
- Protects wood from graying
- Penetrating finish resists peeling
- Soap and water clean-up

DIRECTIONS FOR USE

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 Extreme Exterior Semi-Transparent Wood Stain over painted or varnished surfaces. These surfaces must be stripped using DEFY Exterior Wood Stain Stripper prior to application of the product.

CLEAN: Wood surfaces must be clean, porous, and dry before applying DEFY Extreme Exterior Semi-Transparent Wood Stain. 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 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.

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 clean-

ing 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 finish. The wood is either not dry enough or not porous enough to accept the product correctly. Test a small area before starting general application to assure desired results.

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.

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 finish will penetrate deeper and last longer.

DECKS: Start by applying DEFY Extreme Exterior Semi-Transparent Wood Stain 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: 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, waiting approximately 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.

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 4 hours depending on temperature and humidity. Allow 24 hours for deck to dry before using.

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

COVERAGE: With two coats, one gallon of DEFY Extreme Wood Stain 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. DEFY Extreme Wood Stain 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.

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 Extreme Exterior Semi-Transparent Wood Stain is not considered hazardous under Department of Transportation regulations. Do not stack pallets. Keep product from freezing.

PHYSICAL PROPERTIES

Composition	A blend of synthetic resins with <i>Nano Particle Technology</i>
Solvent	Water
Specific gravity at 25° C	(.99)
Density	(8.25 #/gallon)
Flash point	none
VOC Content	<250 gr/lit 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. No graying, no loss in water repellency.