

TECHNICAL DATA

GENERATIONS

WATER-BASED STAIN



Manufacturer

Wood Iron Wood Finishes, Inc.
10475 Irma Drive, Unit #7
Northglenn, CO 80233-4227

Product Description

WOOD IRON GENERATIONS WATER-BASED STAIN is a low V.O.C., environmentally-friendly alternative to oil-based finishes. GENERATIONS WATER-BASED STAIN performs as well as or better than oil-based finishes without the odor, potential for spontaneous combustion and solvent clean up. GENERATIONS WATER-BASED STAIN can be applied over any fully dried and cured oil or water-based stains. GENERATIONS is an All Purpose Water-Based Stain designed for use on log homes, log siding, log accents, wood siding and fences, arbors, pergolas and decks.

Composition and materials: WOOD IRON GENERATIONS WATER-BASED STAIN is a blend of UV stable resins combined with other ingredients to be used on clean exterior wood to protect it from sun, moisture and retard the growth of fungus and algae on the coating film. For maximum protection apply one toner/color coat followed by one clear coat.

Coverage:

- Smooth New Wood—200 to 250 sq. ft./gal.
- Rough New Wood—150 to 200 sq. ft./gal.
- Smooth Weathered Wood—150 to 200 sq. ft./gal.
- Rough Weathered Wood—100 to 150 sq. ft./gal. (Two coats required.)

Technical Data

This product is in compliance with current Federal V.O.C. (Volatile Organic Compounds) regulations.

Physical and Chemical Data:

Weight Per Gallon: 8.54 lbs.	Pigment By Weight: 0%-2%
Solids By Weight: 18-21%	Solids By Volume: 17-19%
V.O.C. Content: 50 grams/liter	

Cleaning/Preparation

All exterior wood to be finished must be free of dirt and other surface contaminants. Do Not assume that new wood is free of contamination. All exterior new wood must be cleaned before coating.

- Mix Wood Iron Maintenance Cleaner according to directions for cleaning new wood. Apply Wood Iron Maintenance Cleaner solution liberally to all wood surfaces. Wood Iron Maintenance Cleaner solution can be easily applied with a Hudson or other pump up sprayer.
- Mist or dampen the surfaces that have cleaner on them just before washing if the cleaner has dried. Set pressure washer setting at 1,000 psi maximum. Wash with cold or warm water. Temperatures between 50-100 degrees Fahrenheit are ideal. Follow washing with an application of Brightener solution. Follow all label directions. Rinse Brightener immediately on any exposed glass before it is allowed to dry.
- **CAUTION: Pressure washing can damage wood. Be familiar with the proper pressure and technique before operating the equipment.**
- Wash walls from the bottom up. Deck railings should be washed first then deck floors. After the surface is washed, rinse completely. Rinse walls from the top down. Rinse rails and then deck floors.

Brighten new, exterior wood siding as follows:

- Mix the Wood Iron Brightener according to directions on label.
- Apply the solution liberally to all cleaned wood surfaces. Wood Iron Brightener can be applied with a Hudson or other pump-up sprayer.
- When wood does not change after additional brightener is applied, the surfaces are ready to rinse. Rinse from the top down on walls. Rinse deck rails first and then deck floors.
- In humid areas it is recommended that Quantum Sanitizer be applied to the wood surface after the Brightening step.

Application

- Wood must be completely dry and free of blemishes and surface contamination.
- Mask all items not receiving finish such as windows, prefinished gutters, and painted surfaces. Protect plants, trees, concrete, stone, flowers, vegetation and other items with drop cloths.

Note: Check all areas before applying finish. Wood should be free of splintering, fuzziness, felting, banding marks, mud, boot marks, darkened areas around nails or screws, water marks or signs of a previous finish if the wood is being restored.

Shake the bottle of Colorant and then add it to the GENERATIONS WATER-BASED STAIN clear base. One or two bottles of tint per 5 gallons of clear base are recommended. More Colorant can be added to achieve the final color. Different 12 ounce Colorant bottles can be mixed to achieve a custom color. GENERATIONS STAIN should be stirred vigorously or mixed with a drill paddle mixer before applying.

Follow all directions on the label at all times. Consult with a local Wood Iron Representative about tinting or 1-888-966-3476 for suggestions. If spraying with an airless, use low pressure. Pressure setting should be 500-800 psi to prevent excessive overspray and wasting of product.

Tip recommendations:

Balusters 2:11 reversible

Siding, logs 5:17 reversible

Rough Wood 5:21 reversible

Rolling GENERATIONS WATER-BASED STAIN is acceptable.

Follow spray or roll application with back brushing to assure a uniform application.

Application Notes: The objective is to apply as much finish as the wood can absorb. Try to avoid applying to sunbaked surfaces. Direct sun will dry the finish before it can be back brushed into the wood. Keep a wet edge to avoid lap marks. Spray or roll only what can be back brushed wet. Avoid over lapping to avoid lap marks.

Apply one toner/color coat by spray or roll method. Follow application using a 10 inch truck wash brush attached to a rolling pole to back brush the toner/color coat evenly. Work an area that will allow you to keep a wet edge to avoid lap marks. Allow the toner/color coat to dry a minimum of 2 hours before applying a second toner/color coat or clear coat.

The final coat should be a clear coat which is not required but will improve the performance of the coating by as much as 50%. Apply the clear coat over the color coat.

To apply the Clear coat spray or roll followed by a light back brush to assure evenness and penetration.

Back rolling of the toned OR Clear GENERATIONS WATER-BASED STAIN is acceptable when back brushing is not possible. After brushing and/or rolling the product, check for lap marks, drips or runs. Brush out any areas that exhibit runs or drips before they dry.

Check all areas. The final look should be an even, satin finish, free of lap marks, blotchiness, patchy or shiny areas.

The performance durability of GENERATIONS WATER-BASED STAIN on Deck floors and the tops of the railings can be maximized if the color coat and clear coat are rolled and then back brushed. Spraying followed by back brushing these surfaces is acceptable as well.

Clean Up: Clean with soap and water followed by a water rinse. No solvent cleaning is required.

Video: An application video is available online. Go to www.WoodIron.com and click on the YouTube link at the top right on the Home Page.

Availability

Availability: WOOD IRON GENERATIONS WATER-BASED STAIN is available from dealers in many states. Call 1-800-966-3476 or check the Dealer Locator at WWW.WOODIRON.COM for the closest dealer.

Maintenance

Clean lightly with WOOD IRON MAINTENANCE CLEANER and brighten with WOOD IRON BRIGHTENER following the directions on the labels. Follow with a light, brushed-in lightly toned OR Clear coat of WOOD IRON GENERATIONS WATER-BASED STAIN to renew the color and extend the protection.

Warranty

Limited Warranty and Disclaimer: If used as directed, including proper application and surface preparation in accordance with label directions, this product is warranted to be free from defect when used for its intended application for a period of one year from the date of purchase. This limited warranty does not apply if the product is mixed with any other ingredient. Buyer assumes all risks of handling. Buyer's sole and exclusive remedy with respect to any defective product is replacement of product or refund of the purchase price, at Manufacturer's sole option and only after receipt of proof of purchase. THIS LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND DESIGN. IN NO EVENT SHALL MANUFACTURER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LABOR COST. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Technical Services

Support for technical and other issues can be obtained from Wood Iron Wood Finishes, Inc. in Northglenn, Colorado at (303) 650-1681 or 1-888-966-3476 or email at info@WoodIron.com.