

# TECHNICAL DATA

## DECK, FENCE & SIDING STAIN



### Manufacturer

Wood Iron Wood Finishes, Inc.  
10475 Irma Drive, Unit 7  
Northglenn, CO 80223-4227

### Product Description

WOOD IRON DECK, FENCE & SIDING STAIN is a premium solids oil stain formulated with a blend of penetrating oils and resins to be used on clean exterior wood to protect it from sun, moisture and fungus and algae in the coating film. This high solids stain is available in clear and transparent tone, semi-transparent and semi-solid tint formulas.

It is designed for use on decks, wood siding, wood fences, wood gazebos, log homes, and wood outdoor furniture. Protection of the wood substrate, water repellency, color retention and ease of maintenance are achieved using WOOD IRON DECK, FENCE & SIDING STAIN. The oils and resins penetrate into the wood surface and bond in the wood cells, holding the UV protection and pigments in the wood and strengthening the wood's structure. No stripping is necessary when recoating is needed. 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 coat of WOOD IRON DECK, FENCE & SIDING STAIN to renew the color and protection.

**Composition and materials:** WOOD IRON DECK, FENCE & SIDING STAIN is a blend of natural oils and resins that have been emulsified to blend with water. The oils and resins penetrate into the wood surface then solidify in the wood cells to protect and strengthen the wood substrate while remaining flexible enough to move with the wood during the expansion and contraction cycle wood experiences with temperature fluctuations.

**Coverage:**

- Smooth New Wood—200 to 300 sq. ft./gal.
- Rough New Wood—150 to 250 sq. ft./gal.
- Smooth Weathered Wood—150 to 250 sq. ft./gal.
- Rough Weathered Wood—100 to 150 sq. ft./gal. (Two coats required.)

These coverages are based on application on clean and dry substrates. Each coat must be brushed in completely. Two coats are recommended. Second coat coverage will be approximately 25% more sq. ft. per gallon.

### Technical Data

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

Physical and Chemical Data:

Film Thickness: Negligible due to its penetrating qualities.

Weight Per Gallon: 7.82 lbs.

Solids By Weight: 58-61%

Solids By Volume: 57-59%

Pigment By Weight: 1% to 2%

V.O.C. Content: 230 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.

- Mask windows and protect plants from overspray of cleaner and brightener by masking with plastic film, covering with drop cloths and pre-wetting prior to application.
- Mix the Wood Iron Maintenance Cleaner according to directions for cleaning new wood. Apply Wood Iron Maintenance Cleaner 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. Apply when temperature is between 50° to 100° F.

**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, flowers or other items with drop clothes.

**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.

Follow all directions on the label at all times. Consult with your local Wood Iron Dealer about tinting.

If spraying with an airless, use lower pressures. Pressure setting should be 500-800 psi to prevent excessive overspray and wasting of product.

Tip recommendations:

Balusters	2:11 reversible
Decking & Smooth siding	5:17 reversible
Rough Wood	5:21 reversible
Restored open rough wood	5:31 flat

Other devices acceptable for application are pump up sprayers, brush and/or roller with ½" nap.

**Note:** The objective is to saturate the wood to its deepest possible level. DO NOT APPLY IN DIRECT SUN LIGHT. Direct sun will catalyze the finish before it can penetrate. DO NOT VARNISH THE SURFACE YOU ARE COATING. Wood Iron Wood Finish is designed to be penetrating oil finish.

1. Apply one wet-on-wet coat. Start by spraying vertical surfaces at a rate that wets the wood. Allow the wood to soak for 30 to 45 minutes.
2. Repeat the application over the same area as before. If the product is running excessively do not apply more. Back brush the last application to assure evenness and penetration. Back rolling is acceptable when possible. After brushing and/or rolling the product into the wood check for seepage, drips or runs. Brush out any areas that exhibit runs or drips.
3. Double applications to all end grain areas including balusters, log ends, and all cuts when exposed.

Some woods and textures of wood will not absorb as much as others. Be prepared to back brush smooth woods a second time if necessary. If penetration is not occurring after back brushing wipe ALL excess off before finish cures. If product has started to cure, mineral spirits will thin or remove it. If product has cured, lacquer thinner will be necessary to remove it. Check all areas. The final look should be an even, satin finish, free of blotchiness or patchy or shiny areas.

**CAUTION:** Wood Iron Deck, Fence & Siding Stain contains natural oils. Natural oils can spontaneously combust if disposed of improperly. NEVER leave oily rags out in the sun. NEVER pile oil rags together. NEVER fail to control the proper disposal of the oil soaked rags. Dispose of all oil soaked rags in water. Immerse the rags and LEAVE THEM IN WATER. See label cautions and MSDS recommendations.

## Availability

WOOD IRON DECK, FENCE & SIDING STAIN is available from Dealers in many states. Call 1-888-966-3476 for the closest dealer or go to the Dealer Locator at [www.woodiron.com](http://www.woodiron.com). Not all dealers carry all Wood Iron products.

**Cost:** Cost is available from Dealers.

## 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.

## 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 coat of WOOD IRON DECK, FENCE & SIDING STAIN to renew the color and protection.

## 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.