

TECHNICAL DATA SHEET



1. Product Name

WOOD IRON EXTERIOR OIL WOOD STAIN

2. Manufacturer

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

3. Product Description

WOOD IRON EXTERIOR WOOD STAIN is a high solids blend of penetrating oils, resins and UV protection ingredients to be used on clean exterior wood to protect it from sun, moisture and fungus and algae in the coating film. Wood Iron Exterior Oil Stain is approximately 60% solids.

Basic Use: It is designed for use on decks, wood siding, wood fences, wood gazebos, log homes and structures and wood outdoor furniture. Protection of the wood substrate, color retention and ease of maintenance are achieved using WOOD IRON EXTERIOR WOOD STAIN. Water repellency is achieved without sealing the wood surface. 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 over intact previous Wood Iron Oil Stain. 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 EXTERIOR WOOD STAIN to renew the color and protection.

Composition and materials: WOOD IRON EXTERIOR WOOD STAIN is a blend of natural oils and resins. These 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 swelling and shrinking cycle wood experiences with temperature fluctuations.

4. Installation

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.

Cleaning/Preparation

Mask windows and protect plants from overspray of cleaner and brightener by masking with 3M film, covering with drop clothes or prewetting 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. The same directions apply to the use of Wood Iron Stain Remover when removing a coating from the wood surface.

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. Temperature should be between 50-100 degrees Fahrenheit.

CAUTION: Pressure washing can damage wood. Be familiar with the proper pressure and technique before operating the equipment.

Wash walls and other vertical surfaces from the bottom up. Deck railings should be washed first then deck floors. Rinse walls from the top down. Rinse rails and then deck floors.

Brighten new, exterior wood siding or other vertical surfaces as follows:

Mix the Wood Iron Brightener according to directions on label with the same mixing ratios as the Maintenance Cleaner or Stain Remover that was used. When using Stain Remover an equal amount of Brightener should be applied in order to adequately neutralize the pH of the Stain Remover. Stain Remove should never be used on new or bare wood.

Apply the Brightener solution to clean, fairly dry wood. Apply the solution liberally to all cleaned wood surfaces. Wood Iron Brightener can be applied with Hudson or other pump up sprayer.

Rinse from the top down on walls and other vertical surfaces. Rinse deck rails first and then deck floors. Let it dry for 24 to 48 hours before coating.

Application

Wood must be completely dry and free of blemishes and surface contamination.

Mask all items not receiving Stain 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 Stain. 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 can of tint and then add it to the Wood Iron clear base. One or two cans of tint per 5 gallons of clear base are recommended.

New wood surfaces will require a second application in 12 to 18 months after first application because new wood will open up during its first year of exposure.

Follow all directions on the label at all times. Call 1-888-966-3476 with questions.

WOOD IRON EXTERIOR WOOD STAIN COVERAGE TABLE

SUBSTRATE	Exterior Oil
	Approx. Sq. Ft./Gal.
Smooth New Wood	300
Rough New Wood	200
Smooth Weathered Wood	150
Rough Weathered Wood	100*

*Two coats required.

These coverages are based on application on clean and dry substrates.

Application (continued)

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 wood	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 Stain before it can penetrate. DO NOT VARNISH THE SURFACE YOU ARE COATING. Wood Iron Wood Stain is designed to be penetrating oil Stain.

Apply one wet- coat. Start by spraying vertical surfaces at approximately 200 square feet per gallon or a rate that wets the wood. Allow the wood to soak for 5-10 minutes.

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.

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 Stain 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, dull satin finish, free of blotchiness or patchy or shiny areas.

CAUTION: Wood Iron Exterior Wood 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.

5. Availability and Cost

Availability: WOOD IRON EXTERIOR WOOD STAIN is available from certified contractor dealers in many states. Call 1-888-966-3476 for the closest dealer or to order if there is no dealer in your area.

Cost: Cost is available from retailers or from the National Distributor at 1-888-966-3476.

6. Warranty

Limited Warranty: Satisfaction is warranted with the application, appearance and performance properties of this product if it is applied correctly in accordance with label directions and at the designated spread rate. Wood Iron Wood Finishes, Inc. makes no other express warranties, in the event the product fails to conform to this warranty. Wood Iron Wood Finishes, Inc. as its sole liability and in lieu of any direct or indirect, incidental, special or consequential damages, will, at your choice, furnish replacement product or refund the purchase price. Labor or costs of labor for the application of any product specifically are excluded. You must supply proof of purchase. This warranty gives you specific legal rights and you may have other rights which vary from state to state. To make a claim under this warranty contact the distributor from whom you purchased the product.

7. 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 EXTERIOR WOOD STAIN to renew the color and protection.

8. 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.