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For complete warranty information visit jeld-wen.com.

Staining Instructions

Several paint and stain manufacturers offer finish systems that work with wood fiber and composite products. We are vitally interested in the performance of our doors and we pass along this guide based on our experience from field and laboratory testing. We recommend that JELD-WEN Garage Doors are stained or painted before installation. Staining or painting the door after installation may not seal the edges of the rails and could lead to a denial of warranty claims.

JELD-WEN does not manufacture the paints and stains used to finish our garage doors nor do we supervise field finishing procedures. As such, no warranty of paint or stain compatibility, appearance or durability is made or implied.

For painting, we recommend an exterior grade acrylic, waterborne, semi-gloss paint. Please refer to the paint manufacturer's painting instructions.

For best results when staining your door, use a high quality oil-based stain with heavy body. We recommend stains manufactured by Zar®. Because a wood fiber composite garage door accepts stain differently than wood, you may want to use a different stain on the garage door than the one used for the wood casings and frame.

When using oil-based finishes, take careful precaution when disposing waste products. Please follow manufacturers care instructions for proper disposal.

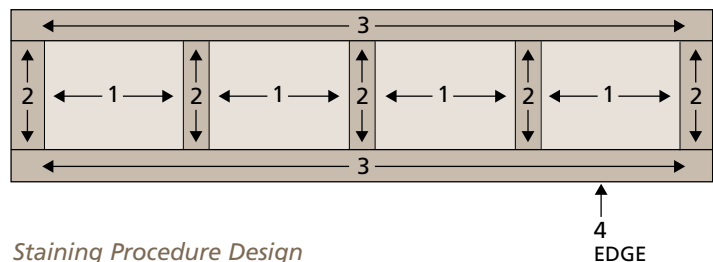
MATERIALS NEEDED:

- Oil-Based Wood Stain (exterior)
- Exterior Polyurethane top coat with U.V. inhibitors
- Hand-held squeegee
- Two 2" sponges or China bristle brushes
- One 3" soft China bristle brush for feathering
- One 4" China brush for polyurethane application
- Absorbent towels or cloths
- Drop cloth

When you apply the stain, follow the diagram below. The numbers correspond to the order in which you should work.

1. Start with the panels.
2. Work on the vertical stiles between the panels.
3. Then work on the horizontal rails.
4. Finally, stain the door edges. Follow the same procedure when you apply the clear finish.

NOTE: Take extra care when staining areas where horizontal and vertical sections meet. (Between sections 2 and 3)



Staining Procedure Design

STEP 1

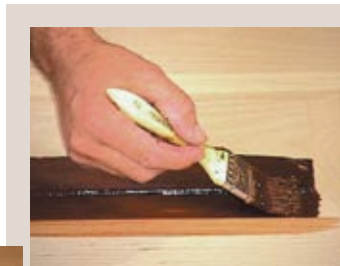
Lay the garage door flat on padded saw horses. Be sure to avoid finishing in full sunlight. To protect your work area use a drop cloth or newspapers. First, remove all hardware.



In preparation for staining, very lightly sand all surfaces to be stained with 220 grit sandpaper. Then remove all sanding dust with an air vacuum and tack cloth. Greasy stains can be removed with a cloth that has been dampened with denatured alcohol. Any places that have been rubbed or scratched through the primer need to be reprimed.

STEP 2

Start with the panels. Apply the stain with a foam or China bristle brush in the direction of the wood graining.



Remove any excess stain from around the panels.



Use a squeegee to remove the excess and lightly force the stain down into the embossed wood graining.

- A. Start with the sticking profile around the panels.
- B. Then proceed to the panel raise. You should remove any excess stain in the corners with a dry China bristle brush.
- C. The last step is to squeegee the face of the panel.



STEP 3

With the panels done, you need to work out to the stiles. These are the vertical boards between the panels. Apply the stain with a foam or China brush in the direction of the wood graining.



Use a squeegee to remove the excess and force the stain down into the embossed wood graining. Follow the graining pattern.

STEP 4

Now move to the horizontal rails. Follow the same procedure of applying the stain and removing the excess stain with the squeegee.



Use a dry, clean brush to feather out any streaks, lap marks or excess stain.



STEP 5

Let the stain air dry at 65°F or warmer.

Follow the same procedure (Steps 1 through 5) for staining the second side of the garage door.

STEP 6

Apply an exterior grade polyurethane that contains U.V. inhibitors. Apply three coats of polyurethane to the exterior of the door. When the door is completed, all six sides must be coated.



Please Note:

Make sure that the edges of applied moulding and grooves for Carriage House and Estate Series doors are stained and sealed well!

Care and Maintenance for Stained Garage Doors

With a bit of care and maintenance, you can help ensure your JELD-WEN stained garage door performs reliably and beautifully for years to come. It takes gentle cleaning, regular inspection and simple maintenance measures.

The garage door normally has very little protection from sunlight, rain and other environmental exposures. Because of these severe exposure conditions the exterior surface of the door requires annual maintenance. Once a year, the exterior face of the door should be lightly sanded with 220 grit or finer sand paper then wiped clean with a tackcloth or moistened towel to remove all sanding residue. Do not sand through the stain coat. After cleaning the surface apply one coat of exterior grade polyurethane clearcoat with UV inhibitor to the face of your garage door. Follow the manufacturer's instructions for application of the clearcoat. Two clearcoat layers may be added for additional protection, but no more than two should be applied or this coating will build-up over several years of maintenance. Regardless of which clearcoat is used, it is important that the coating be applied under dry conditions and a temperature above 70°F for at least 8 hours.

Normally the edges and back of the garage door will perform fine for several years, but to ensure the coating holds up under extreme environmental conditions, inspect the garage door finish on all six sides at least once a year. If any discoloration or coating delamination is visible, lightly sand the area with 220 grit or finer sandpaper, remove residue, then apply one coat of exterior quality polyurethane clearcoat. If the clearcoat is applied to the rails, it is very important to allow the clearcoat to dry completely before closing the garage door. If the annual maintenance is not followed the coating may discolor or delaminate. If this occurs, there are a few refinishing options.

1) Remove door from the opening and refinish the face of each section. Use a solvent based paint/stain remover to remove the clearcoat and stain from the entire face of each door section. Lightly sand the face of the door and remove the sanding residue. *Do not sand off the embossed woodgrain.*

Apply one coat of exterior grade primer with high pigment to binder ratio. The color of the primer should be beige or other light-brown color. Allow the primer to completely dry. Stain the door face with a high quality stain, preferably a gel or heavy bodied stain. Allow stain to dry then apply at least three coats of exterior grade polyurethane clearcoat with UV inhibitor. Follow manufacturer's instructions for application of the primer, stain and clearcoats.

If the edges of the door sections show signs of weathering, then these surfaces should also be refinished the same way as the face. If the edges are not weathered, a clearcoat should still be applied to these surfaces to provide additional protection. After all coatings have dried, re-install the garage door sections.

2) If the door does not need to be re-stained, but can be painted with a solid color, then the face of the door should be lightly sanded to remove all loose stain and clearcoat. Remove all dust with tack cloth or damp rag. Apply at least two coats of an exterior quality latex paint. This can be completed without removing the door from the garage (only if there has been no damage to the garage panels).



Painting Instructions

General Painting Instructions

Waterborne all-acrylic exterior latex finishes with a U.V. inhibitor are most compatible with our primer and are our recommended finish. These have a chemical affinity for the primer and allow the whole system to "breathe," while affording durability and appearance equal to or better than solvent-borne systems. These top coats are also user-friendly, posing no flammability or health problems during application, and clean up easily. Oil-based paints (employing drying oils such as linseed or tung oils) and some alkyd enamel paints are compatible with the primer, but are not as highly rated for durability. While lacquer top coats may work reasonably well, they are not recommended over latex primers due to the strong solvents they contain. Aside from the flammability and toxicity issues involved with their use, their adhesion to acrylic primer is poor. Be sure to select a finish coating specifically intended for the job, derived from a reputable coatings manufacturer. Make certain that it is a top quality product with a list of ingredients and application instructions on the label. Read the label thoroughly and follow the instructions explicitly.

Thinning the Finish Coating

Most finish coatings are supplied ready to use with little or no thinning necessary for application. If some thinning is required, see manufacturer's suggestions on the paint

label. Avoid thinning oil-based and alkyd materials with anything but pure mineral spirits (paint thinner). The use of kerosene, lacquer thinner, turpentine or reclaimed solvents of any kind to thin oil-based paints or enamel finishes is not recommended. Some alkyd enamel systems are sold too thick to spray. This allows the manufacturer to meet various states' solvent emissions regulations. Avoid those brands which require too much thinning.

Application

The finish coat of paint should be applied in accordance with the recommendation on the paint manufacturer's label, paying strict attention to proper covering instructions, temperature and humidity at the time of the painting, and other specific requirements. Avoid painting in hot, humid weather or when the temperature is likely to drop below 50°F before the paint fully cures. Two coats of paint are required, sealing all six sides of each section. If spray application is used, apply a minimum of two coats, waiting for the first coat to dry thoroughly before spraying the second. An excessively thick coat is undesirable as well. Two thin coats are better than one thick coat. If the job calls for a high gloss let the first coat dry thoroughly, then lightly sand the surface and remove dust with a clean, dry cloth before applying the second coat.



Care and Maintenance for Painted Garage Doors

Proper care of your garage door is essential to its longevity and beauty. Periodic maintenance needs may vary from location to location depending on many factors including, but not limited to: environmental conditions, moisture exposure, direct sunlight exposure, soil or dust buildup, and overhang protection. These factors determine how frequent maintenance is required.

To successfully touch up your garage door:

- Lightly sand area where maintenance is required (use a sponge sanding block or sandpaper with 220 grit) do not sand paint off completely, do not sand through primer
- If using paint from a local supplier, we recommend a high quality 100 percent acrylic/latex exterior grade paint. For best results request a gloss level of 30
- Clean area from all dust and debris
- Use a tack cloth or rag dampened with a surface cleaner (lacquer thinner) and allow to dry completely
- Apply paint
- Use a fine bristle or foam brush, in some cases an artist's brush can be used
- If primer is breached, cover area with a tan all-acrylic latex primer before adding top coat
- Allow paint to dry completely (at least 24 hours)
- Evaluate work when dry, if another coat is deemed necessary; follow instructions from beginning



Refinishing part or your entire garage door:

Many customers may wish to change the color of their garage door, or match the color of the trim on their home to the overlay material on the Carriage House or Estate series doors. This can be accomplished easily with much rewarding curb appeal if applied properly. All alterations should follow the recommendations of the paint manufacturer. Best practices include making any changes immediately after the purchase of the door but before installation. In many cases paint can be applied with a low nap roller. 100 percent acrylic/latex exterior paint should be used. See warranty for specific details pertaining to field application of paint.

The finish on your door should be inspected no less than every 12 months, and more frequently if the door is exposed to direct sunlight (facing south, southeast, or south west) or harsh weather conditions are present. Follow instructions from manufacturer of all acrylic/latex exterior grade paint. Covering all (6) sides of your door will provide the best results and continued great performance of your door.

To successfully refinish part or an entire door:

- Lightly sand all areas to be repainted (use a sponge sanding block or sandpaper with 220 grit) do not sand existing paint off completely, and do not sand through primer
- Clean area from all dust and debris
- Use a tack cloth or rag dampened with a surface cleaner (lacquer thinner) and allow to dry completely
- Apply paint
- Spray, use a low-nap roller, or brush the paint on the prepared surface
- If primer is breached, recover area with a tan all-acrylic latex primer before adding top coat
- Allow paint to dry completely (at least 24 hours)
- Evaluate work when dry, if another coat is deemed necessary; follow instructions from beginning

JELD-WEN® COMPOSITE GARAGE DOOR LIMITED WARRANTY

OUR WARRANTY TO YOU...

JELD-WEN® Composite Garage Doors are built to perform reliably while enhancing a home's visual appeal. This warranty is effective for all composite garage doors manufactured by us on or after **October 1, 2008**, for use in the United States and Canada. Any previous warranties will continue to apply to garage doors manufactured by us prior to this date. For additional information, including care and maintenance, installation and finishing instructions, see your dealer or refer to www.jeld-wen.com.

What This Warranty COVERS

We warrant to the original owner* that our composite garage doors will be free from defects in materials and workmanship for the periods described below.

Owner-Occupied Single-Family Residence

We warrant your Traditional Series composite garage door sections for as long as you own and occupy your home. We warrant your Estate or Carriage House Series composite garage door sections for **five (5) years** from the date of initial purchase.

Commercial (Other than Owner-Occupied Single-Family Residence)

We warrant your Traditional, Estate, or Carriage House composite garage door sections for **five (5) years** from the date of initial purchase.

Installation Hardware: We warrant installation hardware provided by JELD-WEN for **five (5) years** from the date of initial purchase. This applies to standard lift and low-headroom applications only (high-lift, roof pitch and vertical lift applications are excluded).

Factory Prefinish: We warrant the factory-applied prefinish on our garage doors against peeling, checking, or cracking for **one (1) year** from the date of initial purchase. Should the factory prefinish be proven defective, we will at our option, replace or refinish the garage door sections or pay up to \$250.00 per garage door opening to the current owner. (Note: this coverage applies to factory-applied finish coat options only; standard factory-applied primer is not a finish coat.)

Transferability

This warranty is not transferable.

How to Get Assistance

If you have a problem with your JELD-WEN Composite Garage Door, immediately contact the distributor or dealer from whom you purchased our product or contact us directly:

Mail: JELD-WEN Composite Garage Doors
9861 Kapp Court, Building K
Peosta, IA 52068
Phone: 1-800-606-7380
Fax: 563-583-0849

We can respond quickly and efficiently if you provide the following: a) date and location of purchase, b) how to contact you, c) the address where the product can be inspected, and d) a description of the apparent problem and the product (photographs are helpful).

What We Will Do

Upon receiving your notification, we will send out an acknowledgement of receipt to the contact identified within three business days. We will investigate your claim and begin to take appropriate action within 30 days after receipt of notification. If it is determined that the product does not have a defect covered by the warranty, we may charge an inspection fee for an onsite inspection that is required or requested by you. If it is determined that there is a defect, we will repair the door section (or other component) or ship a replacement to the dealer/distributor or person making the claim in the same specification as the original sold to the dealer/distributor. Because manufacturing materials and techniques can change, replacement part(s) may not be an aesthetic match to the original. Replacement components/ products are warranted for the balance of the original product warranty or 90 days, whichever is longer. If we determine we are unable to provide replacement parts and repair is not practical or cannot be made timely, then we will refund the initial purchase price. This guarantee gives you specific legal rights, and you may have other rights that vary from state/province to state/province.

What This Warranty Does NOT Cover

JELD-WEN manufactures only the composite door sections; we sell both door sections and the related installation hardware. This warranty does not cover any components (e.g., electric openers, etc.) not sold by JELD-WEN to the original owner. See your distributor or dealer regarding the warranty on the entire door system and/or these other components.

We are not liable for:

- Normal wear and tear, including cosmetic or superficial blemishes in the factory prefinish (e.g., chips or scratches), normal wear and tear to hardware, and naturally occurring changes to hardware finishes (e.g., corrosion or tarnishing).
- Problems due to misuse, abuse, failure to follow the care and maintenance instructions, or as a result of any cause beyond our reasonable control (e.g. fire, flood, earthquake, other acts of nature, exposure to corrosive fumes, and acts of third parties outside of our control).
- Problems related to: improper finishing of all surfaces (front and back) and edges (top, bottom, and sides) of the sections (See our finishing instructions); variation or unsatisfactory results in sheen or texture resulting from the field application of paint or any other finishing material.
- Warp not in excess of 1/8" across the height of a section and/or 3/8" along the length of a section when struts are installed; any amount of warp on sections installed without struts. Note: varying temperature and moisture conditions may cause minor swelling or shrinking of sections; this is not considered a defect provided it does not affect the normal operation of the door.
- Problems related to water and/or air infiltration due to improper assembly; installation errors or flaws in building design and construction; installation must be in strict conformance with the installation instructions provided by the manufacturer of the garage door system. (note: see www.jeld-wen.com for current installation instructions).
- Structural integrity issues or problems caused by improper fitting of the hardware or improper sizing of the sections.
- Damage or poor product performance resulting from installation into a condition that exceeds product design standards and/or certified performance specifications and/or does not comply with applicable building codes.
- Hardware, inserts, or components that are not provided by us, or JELD-WEN-supplied hardware installed into a high-lift, roof pitch or vertical lift application.
- Cost for labor, removal or disposal of defective product(s), installation or finishing of the replacement section or component.
- Incidental or consequential damage. Some states/provinces do not allow the exclusion or limitation of incidental or consequential damages, so this may not apply to you.

Important Legal Information

This Warranty sets forth our maximum liability for our products. We shall not be liable for special, indirect, consequential, or incidental damages. Your sole and exclusive remedy with respect to any and all losses or damages resulting from any cause whatsoever shall be as specified above. We make no other warranty or guarantee, either express or implied, including implied warranties of merchantability and fitness for a particular purpose to the original purchaser or to any subsequent user of the product, except as expressly contained herein. In the event state or provincial law precludes exclusion or limitation of implied warranties, the duration of any such warranties shall be no longer than, and the time and manner of presenting any claim thereon shall be the same as, that provided in the express warranty stated herein.

No distributor, dealer or representative of JELD-WEN has the authority to change, modify or expand this warranty.

This warranty extends to the original owner (original owner means the contractor/ dealer/ distributor/purchaser and the initial owner of the structure where the product is initially installed) and is not transferable. The original purchaser of this product acknowledges that they have read this warranty, understand it and are bound by its terms and agrees to provide this warranty to the original owner of the structure into which the product is installed. Should state or provincial law preclude restrictions on transferability, then the warranty period is effective **five (5) years** from the date of initial purchase.

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The JELD-WEN website is your ultimate resource for learning about our reliable windows and doors. It has all the product information and design advice you need. Visit us at www.jeld-wen.com today.

RELIABILITY *for real life*[®]



Official window, door and millwork provider of the PGA TOUR and Champions Tour

JELD-WEN
WINDOWS & DOORS

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JELD-WEN reserves the right to change product specifications without notice. Please check the web site www.jeld-wen.com for current information.

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