

Read all instructions thoroughly before beginning. This is a guideline for painting and finishing exterior and interior doors. JELD-WEN can't evaluate all available paints, stains, or application requirements. Consult a paint professional or a local paint department/store for coatings best suited to the project. Select top quality finishes and follow all manufacturers' instructions.

Finish all six sides (both sides and edges) of the door slab, including cutouts for hardware, as well as the frame and the brickmould or other trim in order to ensure proper protection from the elements. The sweep on the bottom of exterior doors needs to be sealed on both ends with exterior silicone sealant rather than be painted or stained. Failure to finish the door slab on all six sides may result in the denial of warranty claims for operational or performance problems.

IMPORTANT!

- Steel & Fiberglass Door Slabs are factory primed but MUST be finished within thirty (30) days of installation.
- Factory primed wood doors (molded, flush, custom carved, stile & rail) MUST be finished within fourteen (14) days of installation.
- Raw, un-primed wood doors (molded, flush, custom carved, stile & rail) MUST be finished within SEVEN (7) days of installation.
- Finish wood frames or frames in the same manner as the slab.
- Vinyl components do not require finishing.
- Refinish products when the finish cracks or splits or becomes dull.

NEEDED MATERIALS & TOOLS

When preparing to finish doors, consider the materials and tools required for the entire project. Listed below are some common items needed to properly finish doors. Not all materials and tools will be required for every job.

Needed Materials:

- Vinegar and water
- Denatured alcohol
- Wood Block
- Masking tape
- Sandpaper - 150-220 grit or finer
- Pre-stain conditioner if staining wood
- Clean rags
- Cheesecloth
- Polyurethane
- Paint or Stain (see instructions for each door type for specific recommendations)
- Paint thinner or mineral spirits (for clean up)
- Tack cloth
- 0000 Steel wool

Needed Tools:

- Safety Glasses and rubber gloves
- Screwdrivers
- Power Drill
- Hammer
- Punch
- Utility knife
- Plastic putty knife
- Hand block sander
- Foam Brush
- Paint brush
- Sprayer

BASIC FINISHING RECOMMENDATIONS

- Wear safety glasses for eye protection, and rubber gloves to prevent soiling the door with oil from hands.

BASIC FINISHING RECOMMENDATIONS - CONTINUED

- Allow doors to acclimate to local conditions for at least 24 hours before finishing. Before finishing pre-hung systems, remove the slab from the frame and remove hardware. For door slabs, first hang the slab then remove to finish properly.
- Finish in dust free area away from direct sunlight.
- Finishing is easier if the slab is in a horizontal, flat position on a padded surface. This is not required and the slab may be finished in any position, however, do not stand an exterior slab on the sweep (the weatherstrip on the bottom of the door) as damage may result.
- Remove all hardware and mask off glass, weatherstrip, and the door sweep (on the bottom of exterior slabs).
- If finishing an exterior slab, seal both ends of the sweep (weatherstrip on the bottom) with an exterior grade silicone.
- If finishing a slab with a glass insert, inspect for sealant that may have squeezed out onto the glass or door. Carefully score excess sealant (do not scratch glass) with a utility knife and remove with a plastic putty knife.
- Wood doors with glass require the finish to flow from wood slightly onto glass. This protects the glazing compound and prevents water leakage.
- If finishing a slab with a glass insert, follow the glass manufacturer's instructions on the glass insert frame label.
- Door must be clean and dry before finishing.
- Test your finish prior to application in a discreet location.
- Apply finish materials in multiple light coats instead of fewer heavy coats.
- If painting grained or textured doors, too many coats will diminish the wood grain texture.

CHOOSE FINISHING MATERIALS

1. If the door is exposed to direct sunlight, dark colored finishes may fade or deteriorate quickly and increase maintenance. See our Appropriate Protection document at www.jeld-wen.com/resources in care & maintenance for more information on color choice.
2. Use a good quality primer and paint, or wood sealer and stain. We recommend using one manufacturer's products to ensure compatibility. Follow all manufacturers' application instructions.
3. If choosing an oil or solvent based paint, consult with a paint professional on the best product (usually quick drying) for the job.
4. If staining Fiberglass and FiberLast™ doors, for the best results, we recommend only using a professional quality, heavy body or highly viscous exterior gel stain. **Note: Once fiberglass doors are stained, it is very difficult to change the color. Always test the color in an inconspicuous area to determine if the color is acceptable before staining the entire door.**
5. Use only exterior solid color stains on wood surfaces exposed to sunlight because their high concentration of pigments protects wood against damage. The natural wood color and grain is obstructed, but the wood texture is retained. These stains provide minimum protection against water or dirt protection, so a polyurethane top coat must be used.
6. Finish with coatings that are resistant to water, wear, heat, solvents and chemicals. Without these characteristics, the finished product may deteriorate, compromising its integrity.
7. Use a topcoat containing UV inhibitor. Use exterior finishing products on all exterior surfaces as well as for interior surfaces still exposed to sunlight to provide extra protection and durability.

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PREPARE THE DOOR

If refinishing a previously finished door slab, use the following recommendations for the product you have. The achieved result will depend on the skill of the person doing the refinishing. We recommend seeking the help of a skilled professional if unsure. After preparing the previous finish, follow the finishing instructions in the following sections.

	Doors that were Painted	Doors that were Stained
Steel and Smooth Fiberglass	<ol style="list-style-type: none"> 1. Scuff sand with 150 grit sandpaper or finer or buff the surface of the door thoroughly with 0000 steel wool until the entire surface is dulled and even. Feather out areas where the previous finish is cracked or peeling by removing all loose material and sanding outward until the surface is uniformly level. 2. Remove all loose debris with tack cloth (available in store paint sections) and re-prime bare areas with a good quality water-based primer appropriate for the substrate. Re-priming the entire door will provide the best surface for the new top coat. 	N/A
Wood (Authentic Wood Custom Carved and Molded)	<ol style="list-style-type: none"> 1. Scuff sand with 150 grit sandpaper or finer or buff the surface of the door thoroughly with 0000 steel wool until the entire surface is dulled and even. Feather out areas where the previous finish is cracked or peeling by removing all loose material and sanding outward until the surface is uniformly level. 2. Remove all loose debris with tack cloth (available in store paint sections) and re-prime bare areas with a good quality water-based primer appropriate for the substrate. Re-priming the entire door will provide the best surface for the new top coat. 3. Doors that were stained will need to be stripped and/or sanded to bare wood and then can be re-stained and top coated or painted. 	
Grained Fiberglass and FiberLast	<ol style="list-style-type: none"> 1. Do not attempt to remove the finish with paint stripper, solvents or other chemicals, instead, buff the surface of the door thoroughly with 0000 steel wool until the entire surface is dulled and even. 2. Remove all loose debris with tack cloth (available in store paint sections). 3. Doors that were stained can be re-top coated with clear finish or painted if a color change is desired. 	

PREVIOUSLY UNFINISHED PRODUCTS

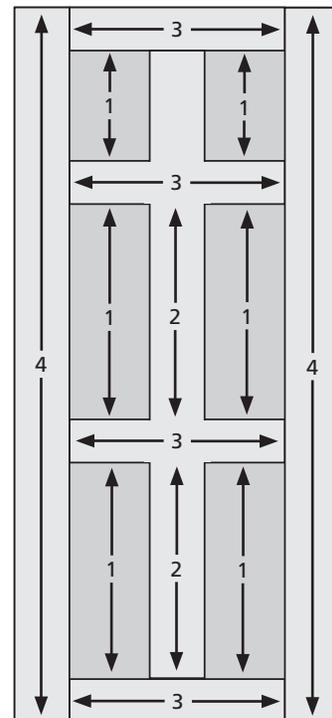
- If the door slab has a glass insert, install the provided screw covers over the screw heads around the glass insert.
- Clean the door with a clean, lint-free cloth, removing all dust and foreign debris. For light cleaning, a one part vinegar to ten parts water mixture can be used. For tough dirt removal, use denatured alcohol making sure all residue is removed by turning the cloth often while cleaning. Allow the door to dry thoroughly. **DO NOT USE SANDPAPER OR LACQUER THINNER ON FIBERGLASS, FIBERLAST OR FINISHIELD® DOORS.**

For Wood Doors Only:

- Before applying first finishing coat, lightly block sand with the grain all surfaces by hand with 220 grit sandpaper or finer. Remove all handling marks, raise grain, scuffs, burnishes and other undesirable blemishes. For doors with wood veneers, veneers are very thin and it can be easy to sand through the veneer. Do not sand veneers any more than necessary.
- Stile and rail doors have wood panels that can float. If necessary, adjust panels before finishing by carefully realigning with a wood block and hammer.

FINISH THE DOOR

Use the table below to find your product and desired finish and follow the instructions in the corresponding box. The illustration to the right shows the recommended order to apply finishing materials to the door by any method except spraying. Finishing materials should be first applied, in the direction of the arrows, to the door panels (1), then to the vertical members, or stiles (2), horizontal members, or rails (3) and finally to the outer stiles (4). This method has been tested to yield the best results. You may, however, use any method that you choose.



	Doors to be Painted	Doors to be Stained
Wood (Authentic Wood Custom Carved and Molded)	<ol style="list-style-type: none"> 1. Seal an un-primed door slab with a good quality water-based primer. 2. Paint all sides of the door, jamb and molding with a good-quality exterior water-based 100% acrylic latex or solvent-based paint. Interior door or trim paint may be used on interior doors and interior surfaces of exterior doors. Spray applications work best. To simulate a traditional stile and rail door look when using a paintbrush, paint the panels first, then across all the rails from one edge of the door to the other. Then paint the stiles from the top of the door to the bottom. The door can also be rolled for a stipple look. For best results, apply multiple light coats. 	<ol style="list-style-type: none"> 1. For un-primed units to be stained, we recommend applying a pre-stain wood conditioner prior to staining to promote a uniform appearance and avoid sharp color contrasts or a blotchy appearance. 2. To add color after pre-stain conditioner, use an exterior oil based stain for the next coat. 3. Top coats may be an oil-based or water based clear polyurethane finish. A marine-grade varnish is recommended on all exterior doors.
Steel	<ol style="list-style-type: none"> 1. Lightly scuff and sand the door face and back (to improve paint adhesion) and wipe the door clean with denatured alcohol. If the door jamb and molding are primed, clean with a damp cloth and allow to dry. Lightly sand any rough areas and re-clean. 2. Paint all sides of the door, jamb and molding with a good-quality exterior water-based 100% acrylic latex or solvent-based paint. Interior door or trim paint may be used on interior doors and interior surfaces of exterior doors. Spray applications work best. To simulate a traditional stile and rail door look when using a paintbrush, paint the panels first, then across all the rails from one edge of the door to the other. Then paint the stiles from the top of the door to the bottom. The door can also be rolled for a stipple look. For best results, apply multiple light coats. 	N/A
Grained Fiberglass and FiberLast	<p>Paint all sides of the door, jamb and molding with a good-quality exterior water-based 100% acrylic latex or solvent-based paint. Interior door or trim paint may be used on interior doors and interior surfaces of exterior doors. Spray applications work best. To simulate a traditional stile and rail door look when using a paintbrush, paint the panels first, then across all the rails from one edge of the door to the other. Then paint the stiles from the top of the door to the bottom. The door can also be rolled for a stipple look. For best results, apply multiple light coats.</p>	<ol style="list-style-type: none"> 1. Apply an even amount of good quality exterior solvent-based stain, or a heavy body (highly viscous) gel stain with a foam brush or lint free cloth in the direction of the wood grain. 2. Work the stain into the surface grain using a circular or cross grain motion before finally wiping the stain in the direction of the grain. For best results, apply stain to one section of the door at a time, starting with the embossed panels first and proceeding with the flat sections. 3. Before stain dries completely, wipe the surface in the direction of the grain with a clean cheesecloth or rag to remove any excess stain. Tip: Use a dry, soft natural bristle brush to feather out lap marks and blend stain. Blot brush on a dry cloth and feather stain until desired color is reached. 4. If a darker appearance is desired, apply a second coat after the first coat dries. Follow the manufacturer's instructions to apply and wipe the stain with a brush or rag. 5. Allow stain to dry per manufacturer's recommendations (may take up to 48 hours). Spray on at least one coat of clear exterior grade polyurethane. THE FIRST COAT MUST BE SPRAYED ON. Additional coats may be sprayed or brushed on. Repeat process on the remaining unfinished sides of the door.
Smooth Fiberglass	<p>Paint all sides of the door, jamb and molding with a good-quality exterior water-based 100% acrylic latex or solvent-based paint. Interior door or trim paint may be used on interior doors and interior surfaces of exterior doors. Spray applications work best. To simulate a traditional stile and rail door look when using a paintbrush, paint the panels first, then across all the rails from one edge of the door to the other. Then paint the stiles from the top of the door to the bottom. The door can also be rolled for a stipple look. For best results, apply multiple light coats.</p>	N/A

Please visit jeld-wen.com/resources or call us at 1-800-535-3936 for specific product information, warranty and care and maintenance information.

Thank you for choosing

