

GLASSCRAFT® DOOR COMPANY

2002 Brittmoore Road
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Fiberglass Door Finishing, Care and Installation Guidelines

March, 2012

This guide includes the following information:

- *Factory prefinishing services*
- *Maintenance of factory finished doors*
- *Field finishing of fiberglass doors*
- *Door handing chart*

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Hours of Operation

Monday through Friday
Eastern 9:00 AM–6:00 PM
Central 8:00 AM–5:00 PM
Mountain 7:00 AM–4:00 PM
Pacific 6:00 AM–3:00 PM

You are welcome to visit and tour our 185,000 square foot glass and door facility. Please call first, prior to your visit. Weekday hours are listed above. Should you wish to pick up your order, please call to confirm that the order is available for loading prior to your arrival.

Order Forms and Quotation Forms are on-line at www.glasscraft.com under the "CUSTOMER SERVICE" window... then in the "SERVICE CENTER" area.



Fiberglass Door Finishing & Maintenance Information

Fiberglass Door Prefinishing Services

You may order any fiberglass door product factory prefinished, including our complete pre-hung fiberglass/composite entryways. Prices are listed in the price lists for the Premium Fiberglass Entry Doors catalog. Ordering your door and millwork prefinished may add to the delivery time required.

Urethane Finishing Process—Our environmentally-friendly finishing system utilizes stain-and-seal urethanes. This procedure uses a proprietary patent-pending finishing system designed to offer a "real-wood" look to our fiberglass doors.

Our Estate Collection™ Factory Finish options have been designed to maximize the beauty and richness of real Mahogany, Cherry, Fir and Oak woodgrains and processed with long-lasting multi-layered and multi-colored UV Finish. This 10-step finish process combines multiple coats of stains and clear UV topcoats with ultraviolet inhibitors to preserve the beautiful appearance of your door.

Our Artisan Collection™ Factory Finish options provide a combination of special antique patina, natural knot patterns and bur marks, rustic characteristics, indentations, pits, scores and worm holes. These artisan finishes, wood grains and textures help reproduce six unique and beautiful wood grains including Pacific Knotty Alder, American Black Walnut, Antique Cherry, Reclaimed Mahogany, Rustic White Oak and Cottage Fir. Please note: The photos on the catalog pages offer an indication of the final appearance, but due to variations in the texture, grain and color of the fiberglass finish, the actual appearance will vary. These six wood grains are only available from GlassCraft and use patented technology, the latest state-of-the-art equipment, materials and skilled artisans to produce the finest, most realistic, and most authentic wood grain fiberglass doors that do "look so good, you'll think they're wood."

Enhanced with long-lasting, multi-layered and multi-colored UV Finish, this 12-step finish process combines multiple coats of stains and clear UV topcoats with ultraviolet inhibitors to preserve the beautiful appearance of your door. Finally, a natural and authentic wood grain and color finish on a fiberglass door that has been designed to last.

Available Stain Colors—We have 28 different finishes available. Please refer to our color catalog for more information.

Available Finish Samples—We have Finish sample boardS available. Please inquire for more information.



Factory Prefinished Fiberglass Door Care & Maintenance Guide

Your factory finished GlassCraft Premium Fiberglass Door has been manufactured to last for years. And like any piece of your home's exterior it needs proper care and periodic maintenance to keep it in top condition.

Cleaning—To clean your door please use mild soap in warm water and a non-abrasive, clean rag. You will need to let the door air dry. Clean as or when needed to remove buildup of dirt, wax, grease and mineral deposits. DO NOT use any type of abrasive cleaners or cleaning pads or rags. Do NOT use any type of wax, furniture polish and/or mineral spirits/acetates.

Resurfacing Factory Fiberglass Finish—The GlassCraft factory fiberglass finish has been designed to perform for many years without the need to be refinished*, should you wish to resurface the clear topcoat you may do so using one of the follow two products. Please read and understand all of the manufacturer's recommendations and instructions before beginning to resurface the GlassCraft Premium Fiberglass Door. These two nationally recognized retail products are available in independent paint stores and/or big box stores.

Deft Waterbase Exterior Polyurethane

<http://www.deftfinishes.com/trade/products/water-based-polyurethane>

or

Old Masters Waterbase Exterior Polyurethane

<http://www.myoldmasters.com/products-extclear-spar-urethane.htm>

GlassCraft touch-up pens are available to repair the factory finish color for small scratches on the finished fiberglass door. Please follow the manufacturer's recommendations and instructions when using these touch-up pens. Pens may require more than one application to reach the desired color.

*Application, proper regular care and maintenance and proper use is required.

Fiberglass Door Finishing & Maintenance Information

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Field Finishing of Fiberglass doors

All edge surfaces and front and back surfaces must be finished correctly in order to maintain our warranty on the door. Be sure to confirm that the top, bottom and side edges of the door are finished correctly after the door is trimmed for installation.

Upon Receipt of Door

Inspect your door thoroughly. Immediately check for “squareness” or warp. **DO NOT** cut, fit, or hang any door with any noticeable damage or defects. If any type of problem is found, notify the company from which you purchased the door for further instructions. If you purchased the door directly from GlassCraft, please call our Customer Service department.

Storage and Handling

- 1) Before installing, allow 24–48 hours for the door to adapt to the general humidity and temperature conditions of your area.
- 2) Doors should always be stored flat, in a clean, dry, well-ventilated room. Protect from dirt, water and abuse. If stored for long periods, doors should be sealed with a high quality sealer or primer.
- 3) If the doors are to be stored on the job site, the 2 wood edges must be sealed with a wood sealer in order to prevent moisture absorption.
- 6) Doors should always be handled with clean hands or while wearing clean gloves, to prevent dirt and oils from penetrating the wood grains.
- 7) Doors should be lifted and carried, not dragged in order to prevent damage to the wood surface.

Exterior Finishing

Caution: GlassCraft Door Company does not evaluate all of the available paints, stains or application requirements. Contact your paint dealer for systems best suited for your geographic region. Select only top quality finishes, and follow all of the finish manufacturer's complete instructions.

Recommended staining and finishing steps:

- Remove handling marks and final sanding
- Raw wood treated with penetrating wiping stain
- Repeat penetrating wiping stain if required for desired color
- Light sanding if desired
- First coat of sanding sealer or top coat
- Fine sand by hand
- Second coat of top coat
- Fine sand by hand
- Third coat of top coat

Paint Finish:

- 1) To paint finish your door, use a solvent based primer coat and a compatible solvent based finish coat.
- 2) Sand all surfaces between all coats of primer and finish.
- 3) A minimum of three top coats on all 6 edges is recommended for proper protection.

Installation Suggestions

- 1) The utility or structural strength of the door must not be impaired in fitting to the opening, in applying hardware or other detailing.
- 2) Use a minimum of one hinge for each 30” of door height on all exterior doors. When using three or more hinges, they are to be equally spaced. Standard height (6’ 8”) doors require three (3) hinges. Extra height (8’ 0”) doors require four (4) hinges. Quality ball-bearing hinges are recommended for superior service in these hardwood door applications.
- 3) Clearances between door edges and door frame should be a minimum of $\frac{1}{16}$ ” on the hinge edge, and $\frac{1}{8}$ ” on the latch edge and top rail.
- 4) All hardware locations, preparations for hardware, and methods of hardware attachment must be appropriate for the specific door construction.
- 5) Damage caused by failure to comply with this Fiberglass Finishing Information section, failure to perform normal homeowner maintenance, or by attempts other than by GlassCraft to repair the door will void the GlassCraft warranty.

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Maintenance and Troubleshooting

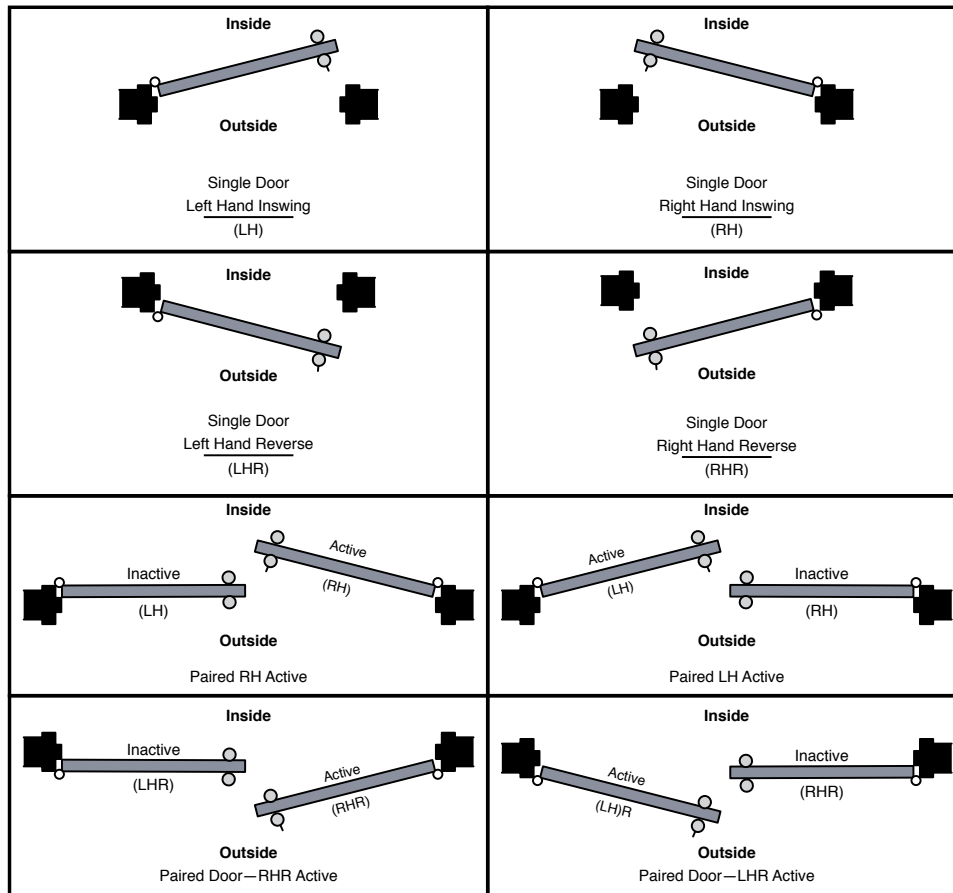
If you maintain your door properly, it will give you years of enjoyment. The most important single method to ensure the door's longevity is to apply a high quality stain and finish. We recommend that only top quality finishes specifically produced for exterior applications be selected.

Quality of the Finish: Stain-and-clear finishes perform better if protected from direct sunlight, moisture and other weathering conditions. Refinishing will be required less frequently if a proper finish is initially added to the door. Some finishes on exterior doors deteriorate relatively quickly with exposure to the environment. In order for your exterior door to continue receiving the protection required, inspect the condition of the exterior finish at least twice a year and refinish as often as needed to maintain the protective integrity of the finish.

Binding or Sticking of the Door: Ensure that the door(s) continues to swing freely, does not bind in the frame, and that all hardware remains completely functional. If the door begins to stick or bind in the door frame, sand the edge of the door (use an electric sander or a hand plane) to trim the door so that it does not bind or stick. Be sure to refinish the newly sanded exposed area. Usually, it takes as long as one year for a wood door to acclimate to its installation surroundings.

Cleaning the Door: Cleaning of the door is best performed by simply dusting the interior and exterior of the door using a soft, clean cloth. If required, a very mild soap and water solution may be needed to remove dirt from the door. Do not use any abrasive detergent or solvent based product, as these products will harm the quality of the finish. DO NOT use a waterblaster to clean your door.

Standard Door Handing Chart



Indicates Entry or Keyed Side of Door (Active Door of Pair) →