



GENERAL PAINTING INSTRUCTIONS FOR JELD-WEN® GARAGE DOORS

A waterborne all-acrylic exterior latex finish with a U.V. inhibitor is most compatible with our primer and is our recommended finish. These have a chemical affinity for the primer and allows 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 that 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 five degrees Fahrenheit before the paint fully cures. Two coats of paint are recommended. 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.

Relentless attention to detail is what makes a Jeld-Wen® Composite Garage Door rise above all others. You can see it in the panels, in the smooth performance, in the fit and finish. You simply won't find a better garage door.

Jeld-wen doors come with a wood grain design embossed in their surface. You can paint these doors, but if you want to give them a beautiful, classic wood look, use ZAR® Wood Stain and follow these directions.

Before You Begin

1. Whether painting or staining, the surface must be clean, dry and free from dirt, dust and grease.



2. The garage door sections must be finished before hanging or immediately thereafter. They may be painted (recommended if a dark color is desired) or stained. When painting or staining be sure to finish all sides of the door for a longer lasting more beautiful finish.
3. The stain application directions on this sheet may differ from the instructions on the label of the wood finishing products. Please follow the directions described on this sheet since they specifically refer to finishing garage doors.

Materials List

ZAR Oil-Base Wood Stain (1 pint for the front and edges of 8'x9' garage door or 1 quart for front and edges of a 8'x18' garage door).

ZAR Exterior Water-Based Polyurethane for top coat: 3-4 coats required on all sides of the door (1 gallon for 8'x9' garage door and 2 gallons for 8'x18' garage door).

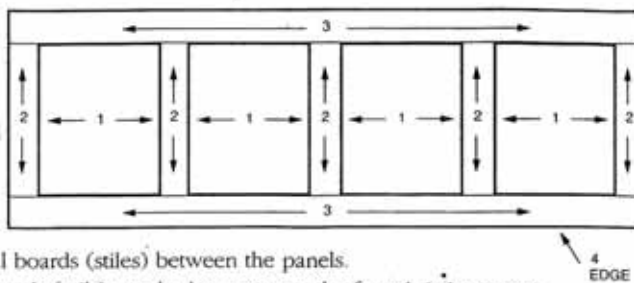
- Paint thinner for cleaning
- 2-2" Foam brushes
- 2-4" China bristle brush
- Lint free cloths
- Fine grit sandpaper



ZAR® Oil-Base Wood Stain is available in 19 wood tones plus Country White.
ZAR® Exterior Water-based Polyurethane is available in Gloss or Satin sheen levels.

Staining Procedure Diagram

Follow the diagram below. The numbers correspond to the order in which you should work. The arrows indicate the direction of the grain for each area of the door.



1. Stain the panels first. Work with one panel at a time. Smooth the stain in the direction of the grain.
2. Next work on vertical boards (stiles) between the panels.
3. Horizontal outside boards (rails) are the last areas on the face. It is important to take special care where the horizontal and vertical sections meet.
4. Finally, stain the door edges.

Step 1 Stir ZAR Wood Stain thoroughly. Air and surface temperature must be above 50°F. Apply ZAR Wood Stain to the panel using a foam brush or lint-free cloth working the stain into the embossed grain pattern. Next, using your foam brush or stain cloth, smooth the stain in the direction of the grain. **Do not wipe off excess stain.**

Step 2 Working on the same area you have just stained, use a 4" China Bristle brush to feather-out any streaks or lap marks. Be sure to feather in the recessed corners where the stain tends to pool. This is our "stain and feather" technique. Occasionally remove the excess stain from your feathering brush bristles with a clean cloth. Remember: "Stain and feather".

Note: Repeat staining steps 1 and 2 on the stiles, rails and edges following the staining procedure diagram.

Important: Due to variations in temperatures and humidity, which may affect drying times, it is important to follow the staining procedure diagram. Do not attempt to finish more than one panel at a time. By following the staining procedure

diagram, you will have time to feather out any streaks or lap marks and give your door a beautiful wood look.

Optional: If your first coat of ZAR Wood Stain is too light, wait 4 hours and apply a second coat, once again following the staining procedure diagram and using the "stain and feather" technique.

Allow ZAR Wood Stain to dry 48 hours before applying a polyurethane top coat. **Do not sand the stain coat.** The surface will be damaged by sanding.

Clean up: Clean-up ZAR Wood Stain, brushes and tools with paint thinner or mineral spirits. (See caution below.)

Step 3 To protect the beauty of your stained garage door apply 3-4 coats of ZAR® Water-Based Exterior Polyurethane. Apply when air and surface temperatures are above 60°F. using a foam brush or synthetic fibre brush. Be sure to coat all sides of the garage door. Allow 2 hours drying time between coats. Sand **lightly** between polyurethane coats with fine sandpaper and remove dust with a vacuum. If while sanding, sandpaper gums or polyurethane feels tacky, extend drying time. Allow to dry 24 hours, then re-hang the door.

Clean up: Clean up ZAR Exterior Water-based Polyurethane on brushes and tools with warm soapy water.

Applying 3-4 coats of ZAR Exterior Water-based Polyurethane is essential to protect your door.

CAUTION:

Rags, steel wool or waste soaked with ZAR may spontaneously catch fire if improperly discarded. Immediately after use, place rags, steel wool or waste in a sealed water-filled metal container.



Important: Maintenance of Finish

No finish lasts forever. To maintain the beauty of your door, it is critical that you inspect the door every six months. The tell tail sign of needing an additional coat of polyurethane is when the door begins to lose its gloss sheen. If you wait until the door looks bad ... you have waited too long.

When the gloss begins to fade the protective ultraviolet inhibitors have begun to degrade. It is then that you need to recoat. This is a must!

To recoat, clean the door thoroughly with mineral spirits and allow to dry. Recoat with one, preferably two coats of ZAR Exterior Water-Based Polyurethane. This is the best thing you can do to maintain the beauty of your investment.

ZAR has created their staining system to work with composite and fiberglass doors. Jeld-Wen is offering this information as an aid to your finishing decision. However, we are not the manufacturer of the finishing system nor the individual doing the finishing. We therefore, are not responsible for finish warranty issues.