



In this chart, all mandatory steps are yellow (rectangles), all optional steps are red (circles), and all questions are blue (diamonds).

proud. After it has dried, sand flush conditioner on, wipe it off, and stain **Finish** while the conditioner is still wet. during the next step so that the Stain: Flood stain on liberally, and sanded area reveals the exact shape of the original void. wipe it off while still wet. When Hand sand & clean off dust: using two types of stain, dyes go This time, sand by hand, going on first, followed by pigment with the grain when possible, using stains. Let each application dry 180- or 220-grit garnet paper (as completely before proceeding opposed to aluminum oxide paper). NO to the next step. This step also sands putty flush. Fill pores: Open pore finishes Always sand all areas of the piece on large pore woods are both Nibs Rub YES the same way, in the same common and attractive. However, Out or Wrong sequence, using the same size and if you prefer the look of a glass **Finish** Sheen? type of grit. Wipe, blow or vacuum smooth surface, fill the pores with inert pore filler. Seal the wood with off sanding dust. Raise grain, de-fur: Sponge a very thin coat of dewaxed shellac or Zinsser SealCoat™, or use wood liberally with clean water, a thinned coat of your intended wipe it all off, and let it dry **Topcoats** overnight. Sand very lightly the topcoat. Apply the filler, remove next day with 400-grit paper. it, and when it's dry, sand lightly Sand only enough to remove the to remove any filler residue NO raised fur. on the surface. Let waterbased filler dry overnight, and allow **Conditioner:** Apply wood Glaze Additional conditioner only when necessary. three days for oil-based filler. YES **Color Modification** Some woods and stains require it, continues on page 82 ... Needed? Tone while others do not. Making samples will tell you if you need it. Flood Apply Special YES YES Touchup Sealer Special **Touchup** Needed? Required? Sealer NO **First Coat**



Applying Sealer and Topcoat

Sealer or first coat: Usually, the first coat of finish will act as the sealer, but in some cases, special sealers are helpful. Zinsser SealCoat is a good choice for the following situations: refinished (as opposed to new wood) surfaces, woods that contain anti-oxidants (all dalbergias and some cedars), extremely porous woods, knotty or resinous woods, surfaces emitting odors, dyed woods and any surfaces that may have been contaminated with wax. dirt or grease. If a special sealer is not needed, simply apply the first coat of finish at this point.

Touchup: Here's where you touch up any missed glue spots, putty spots that came out too light or color irregularities. Putting touchup under glaze or toner coats helps hide it better. Applying it after the first coat prevents it from seeping into the wood and spreading, and allows subsequent coats to seal in the touchup.

Glaze or tone: You can add color between layers of finish with glaze, a thick pigment stain, or with toner, a clear finish laced with dye.

Topcoats: Apply as many coats of your favored finish as is needed for durability and appearance. Sand lightly between coats to remove nibs, brush marks or spray pattern marks. Sand to improve adhesion only if you have waited more than a week between coats of varnish, polyurethane or waterbased coatings. Adhesion sanding is never required for shellac or lacquer. With catalyzed finishes, follow the specific manufacturer recommendations.

Rub out: It is almost impossible to get a final surface smooth enough, so I always plan to rub out the finish. Sand lightly with very fine paper to level nibs. Rub with 0000 steel wool and paste wax for satin finishes, or use finer grit sandpaper, followed by rubbing and polishing compounds, for gloss.

Michael Dresdner is a nationally known finishing expert and author. His latest book is Wood Finishing Fixes by Taunton Press.