

WHAT NATURE STARTS, WE FINISH

F A C T O R Y - F I N I S H I N G G U I D E



For the most beautiful wood door surfaces, demand a factory finish.

Wood doors make a statement. The use of wood doors reflects a level of craftsmanship and an attention to detail unique to this natural surface. A fine wood finish is the crowning touch that can bring out and enhance the true, natural beauty of the wood. Algoma Hardwoods understands the demands of the truly discerning wood door buyer, be it the architect, interior designer or the owner. After all, we started out making fine furniture well over a century ago. The special care we take in selecting fine veneers; engineering the product; and providing for the correct “machining” of the door is fully matched in our sensitivity to the issue of finishing the door. Color, sheen, tint and tone are all a part of that sensitivity. The factory finished door from Algoma Hardwoods is the crowning complement to your project. Be sure to specify factory finishing for your Algoma Hardwoods’ doors.

Finish on a wood door serves two primary purposes. First, finish enhances wood’s natural beauty. Second, finish provides protection for the wood. At Algoma Hardwoods, we take pride in our ability to serve both purposes. Our factory trained craftsmen have been finishing doors for years. Their experience, coupled with a state-of-the-art finishing line and a controlled environment, gives you the assurance that your doors will be beautiful...today, tomorrow, and for a lifetime.

Algoma Hardwoods’ prefinish features an anti-microbial additive. That technology, totally invisible and imperceptible in the finish itself, aids in the on-going efforts by medical facilities, schools and other building types to maintain high levels of germ control and hygiene. Algoma Hardwoods applies this technology to all factory finished doors. There’s no need to specify it when you specify Algoma Hardwoods’ prefinish and, importantly, there’s no additional cost.

Algoma Hardwoods and Algoma Express use the same color numbering system at all locations throughout the country. If you specify an RA-1050 Plain Sliced Red Oak door from any Algoma facility you can be confident the finish will be consistent in color, sheen and build ... a convenience for you but a must for any project. Need additional doors for a project? Take comfort in the fact that your finish will be the same regardless of the Algoma Hardwoods location from which the original doors were manufactured.

This Factory-Finishing Guide will help you. Use this brochure for your preliminary species and color selection. That is precisely why it’s called a “Guide.” For architect or customer final approvals, contact your Sales Service Specialist for Algoma samples.



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A factory-finished door vs. field-finished offers:

1. A pleasing and consistent appearance with more uniform clarity, color, texture and sheen.
2. Compliance to both Window and Door Manufacturers Association (WDMA) and Architectural Woodwork Institute (AWS) standards.
3. Full lifetime warranty coverage.
4. Lower finishing cost.
5. Faster project completion with no field finishing requirements other than installation.
6. Environmentally conscious stain system
 - a. Algoma uses a water based stain, a water carrier, vs. solvent carriers resulting in lower VOC emissions.
 - b. Algoma recycles its stain wash and uses it in other operations within our process. No hazardous waste material developed.
7. Greater finish durability and longevity.

NOTE: We cannot be responsible for the final appearance of field-finished doors. The Algoma and/or Algoma Express warranty specifically excludes any liability for the finish of such doors and frames. Final finish approval will be the responsibility of the field-finish contractor.

Rotary Natural Birch

To assist you with your preliminary color selection(s), various stain finish colors on typical veneer samples are shown below. When making your selection(s), bare in mind that veneers will vary in color and texture. As a result, the final

finish color may vary from what is represented in these photographs. After species and color(s) have been selected, contact the factory for actual wood samples. This brochure is not intended to be used for final color selection.



RA-588



RA-1050



RA-1051



RA-1052



RA-1053



RA-1054



RA-1055



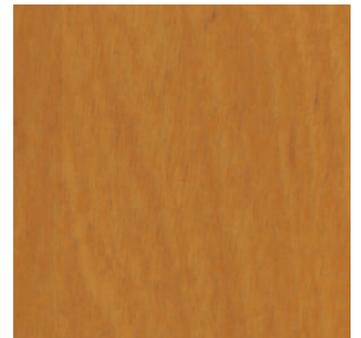
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RA-4367



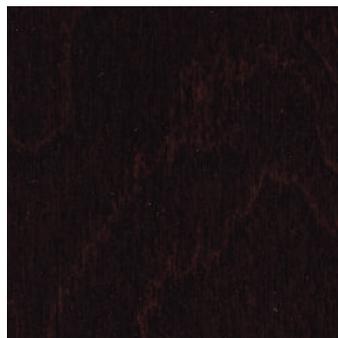
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RA-4370



RA-4751



RA-4369



RA-100

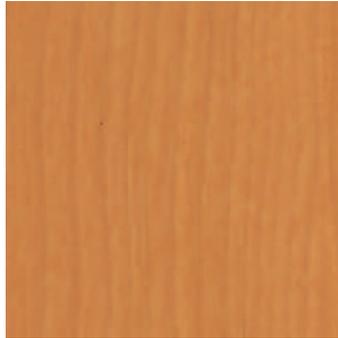
Plain Sliced White Birch

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RA-588



RA-1050



RA-1051



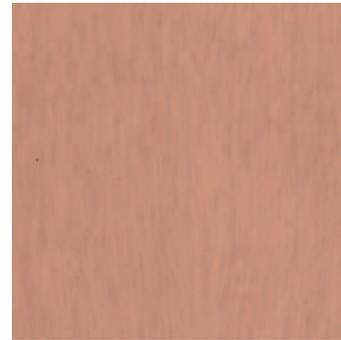
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RA-1053



RA-1054



RA-1055



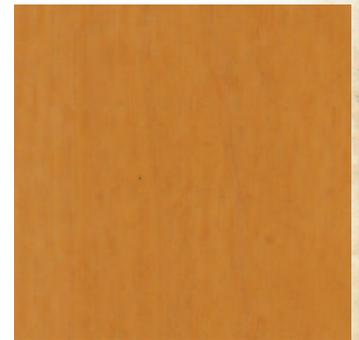
RA-4366



RA-4367



RA-4368



RA-4370



RA-4751



RA-4369



RA-100

Plain Sliced Red Oak

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RA-4751



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RA-100

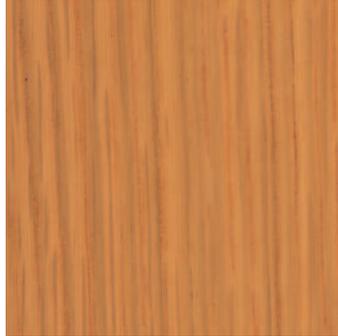
Plain Sliced White Oak

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RA-4366



RA-4367



RA-4368



RA-4370



RA-4751



RA-4369



RA-100

Plain Sliced White Maple

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NB-588



RA-1050



RA-1051



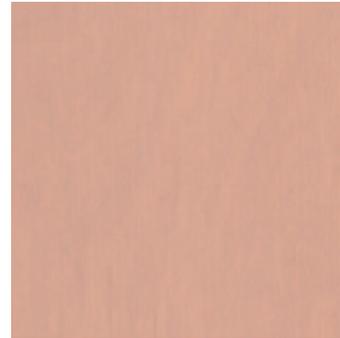
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RA-4366



RA-4367



RA-4368



RA-4370



RA-4751



RA-4369



RA-100

Plain Sliced Cherry

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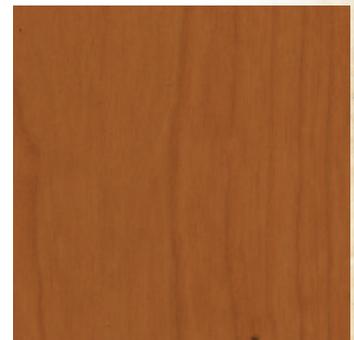
RA-4366



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RA-4751



RA-4369



RA-100

Heartwood vs. Sapwood

Sapwood is the outer, living and active part of the tree that carries the nutrients necessary for a tree to grow. Heartwood is the inner, older part of the tree that is no longer active. Visually, sapwood and heartwood can be distinguished by their color difference, which in some species can be quite dramatic. Sapwood is light in color, referred to as “white” in species such as ash, birch and maple. Heartwood is noticeably darker and more variable. When veneer is specified as “natural,” i.e. Rotary Cut Natural Birch, a spliced face can include unlimited amounts of light sapwood and/or dark heartwood.

Visually, this can result in a light/dark pattern traveling across the door face. Be mindful of the variation in the context of the design intent for your project. Also, be aware that this variability cannot be controlled when woods are specified as “natural”.

In the photos below, you’ll see some variations in both heartwood and sapwood. This in no way shows every contrast you can expect on a given project. It is merely to depict faces that contain all heartwood, all sapwood and a combination of the two.



Sapwood/Heartwood



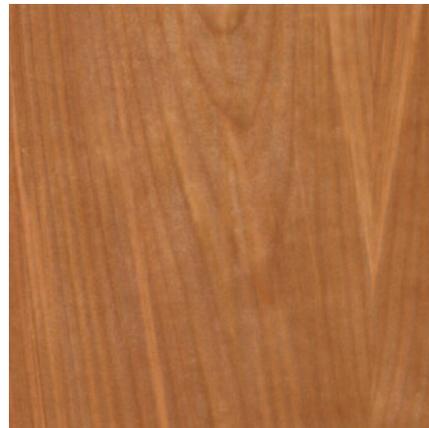
Sapwood/Heartwood



Sapwood/Heartwood



All Sapwood



All Heartwood

Custom Stain Colors

While standard stain colors will satisfy most door color requirements, custom colors are often called for to meet specific aesthetic and architectural needs. Algoma has a long history of working closely with clients to meet their special color needs.

Over time, we’ve produced a broad range of different colors and hues, and our expertise allows us to offer a nearly unlimited palette of colors from which to choose. All we need is a color chip and we’ll begin to make the match. Call us for more details.

Color Variation



Plain Sliced White Oak from different logs with RA-4751 finish.

Illustration 1

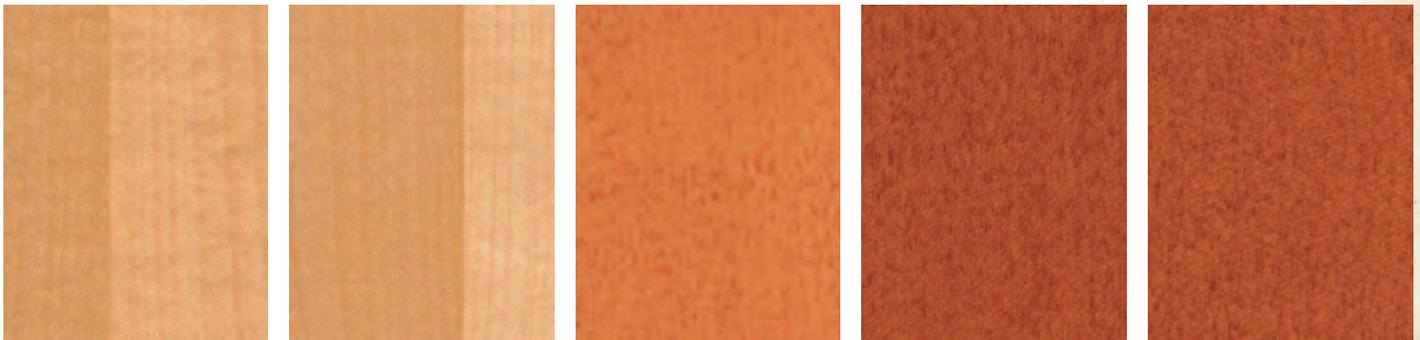


Illustration 2

Color and grain of natural hardwoods are neither uniform nor predictable. Because of soil content, weather, and other environmental factors, trees of the same species will invariably produce veneers of unique appearance and color. The photo above (see illustration 1) illustrates a typical range of variation which can be found by finishing different logs of the same species with identical stain and finish. Variation beyond the range illustrated here is not uncommon. This example is of plain sliced white oak, but each species will exhibit a similar range in variability. In some veneers the range in both color and grain will be even broader.

The veneer cut, as well as the face assembly, will also impact color variation. Most of the species throughout this brochure are plain sliced veneers. Faces spliced in book matched fashion may exhibit a phenomenon known as barber pole (see illustration 2 above). As logs are sliced into veneer, each leaf has a tight side

and a loose side. During the cutting process wood is stressed on one side and compressed on the opposite. The opposing effect causes the leaf to reflect light differently, or barber pole. Adding finish to the veneer accentuates the phenomenon. The resulting barber pole, viewed as a light dark striping across a door face, is not considered a manufacturing defect.

Each individual door face used by Algoma Hardwoods uses the veneers from only one log. However, variations of the type shown above are likely from door to door, unless special veneer selection is requested.

Given that most doors are not likely to be adjacent to one another, color variation from one door to another is not generally a problem. Whenever required or requested, Algoma will take appropriate steps to ensure optimal color and grain matching. Call us for more details.



Algoma Hardwoods manufactures and markets quality Architectural Hot Press, Commercial Cold Press and Stile and Rail wood doors. The full product range of Algoma Hardwoods can accommodate just about any veneer and extends from non-rated to 90 minute doors, neutral and positive pressure (Category A or B). Algoma Hardwoods can pre-machine, pre-finish, pre-glaze and detail doors.

Wisconsin Plant
1001 Perry St.
Algoma, WI 54201

Tennessee Plant
506 Municipal Ave.
Jefferson City, TN 37760

Mill Sales
1001 Perry St.
Algoma, WI 54201

(800) 678-8910 • (920) 487-5221
sales@masonite.com



Algoma Express' distribution centers stock thousands of doors so you don't have to. Each distribution center is able to machine, prefinish and detail and offers a product mix ranging from commodity to architectural hot-pressed to specialty (acoustical, lead-lined, etc.) doors. Best of all, when lead-time on a job is critical, Algoma Express can ship within just a matter of days or a week or two.

Algoma Express
506 Municipal Ave.
Jefferson City, TN 37760

(800) 254-6623 • Fax: (800) 485-5921

www.algomahardwoods.com