

## Conclusion

Simply put—why use wood? Consider the following:

- Wood is **natural**—it was created to be used as a building material.
  - Wood is **diverse**—on so many levels! Customizing your next kitchen or home interior is easy with wood. Different species, different stain colors and so many profiles to choose from.
  - Wood is **beautiful**—it can have simple lines or be extremely ornate.
  - Wood is **long-lasting**—with proper care and maintenance, wood products will look good for a long time. Most antiques are wood right?
  - Wood is a **renewable resource**—there is more tree growth than harvest in North America every year (see [www.obeythenature.com/forests](http://www.obeythenature.com/forests)).
- To summarize—wood is the ideal solution! It can fill every need: inexpensive, very expensive, durable, any style, any design and it's green too!

## Our Wood Products

Cabinet Doors

*\*mitered and tenon construction*

*\*curved doors made to match*

*\*mullion frames and applied molding options*

Molding of all types

Dovetail Drawer Boxes

Cabinets Posts

Cabinet Valences and Accessories

Face Frames

## Ordering Information

Visit our website for a full list of available products and wood species at [www.eliaswoodwork.com](http://www.eliaswoodwork.com).

For a quote call (1-800-665-0623) Monday to Friday from 8:00 AM to 4:30 PM CST. Fax (1-204-325-5617) or email ([sales@eliaswoodwork.com](mailto:sales@eliaswoodwork.com)) any-time. Order forms are available on our website.

If there is something you are looking for that you cannot find on our website or in our catalog, please call. We will be happy to answer your questions.



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Or follow us on Twitter: [www.twitter.com/eliaswoodwork](http://www.twitter.com/eliaswoodwork)



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Wood...

the Only

TRULY

Green Solution

## Antiques, Traditional, Modern...It's Everywhere!

Look around you. Chances are most of you are surrounded by products made of wood. It's no wonder—it's nature's natural building material. Most homes are constructed with wood, many sports use equipment made of it, and musical instruments are also often crafted in wood, just to name a few.



### Trees and their Effect on the Environment

Growing trees use a process called photosynthesis to grow. Trees use carbon dioxide (CO<sub>2</sub>) by separating the carbon and oxygen atoms to use the carbon for growth and return the oxygen to the atmosphere.

When trees stop growing, a tree begins to use oxygen and release CO<sub>2</sub>. But, if a tree is harvested and used, the carbon stays within the wood for the life of the product. This is why it is important to harvest trees. Wood requires far less energy to be produced than steel aluminum, glass and brick. The energy it does require is provided by the sun!

## Wood... Species, Grain, Knots, Grades... What Does it Mean to Me?

### Minimizing Waste

At Elias Woodwork, we strive to use the most up-to-date manufacturing methods in order to have as little waste as possible. The waste we do generate we attempt to use or sell for other purposes.

Our sawdust is collected and picked up by local farmers to use as bedding for their animals; plus we collect any small waste pieces to be re-used in another applications, on and off site.

### Reducing Cost

Transportation energy and cost is another important aspect to keep in mind when considering hardwood for your next project. Woods grown in North America save energy in transportation to your local woodworking shop, opposed to importing wood like teak and mahogany from other continents.

Each wood species has its own set of characteristics; grain, colour, hardness and weight. Each wood can also be categorized into at least two different grades. The grades do not refer to the quality of the product but rather the overall look of the final product.

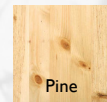
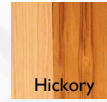
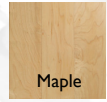
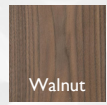
Below is a brief description of the above mentioned characteristics. Grain and colour are usually the easiest ways to identify or tell two different boards apart. Most species vary in colour from dark to light; for example: Walnut is dark, Maple is light, while Oak, Cherry and Alder tend to be more red in color. Some species like Hickory can vary in colour due to sapwood, but more on that later.

Grain refers to the "lines" that you can sometimes see in wood. Grain can be "closed" like Maple or "open" like Oak and Hickory. Grain greatly affects how stain is applied to the wood, for example: Maple closed grain does not take a wipe stain well and ends up looking blotchy. An open grain like Oak, can easily take wipe stain or a spray stain. (For more information on our finish process and colours, please refer to the Finish Details brochure.)

Certain species, like Pine and Alder, have knots in most boards. (Though both species can be ordered in a "clear" version from us.) The knots themselves will vary from open to closed.

While Alder and Cherry are often considered to be very similar in overall look, they vary greatly when it comes to hardness and weight. Cherry is the denser of the two and also the harder. While Alder is the softer of the two it is not considered a "softwood".

Another variation to consider is the "cut". We use flat cut for 95% of all our products. But Oak for example is also available in "Rift" and "Quarter" cut. These refer to the way the tree was cut into planks which shows the grain at different angles.



## Sapwood vs. Heartwood

When you order doors or other material from us, you may hear the terms "sapwood" and "heartwood" and wonder—"what does that mean?"

Some species, like Hickory, Cherry and Poplar will have extreme color differences in one board. The lighter-colored wood is called sapwood and was the newest wood in the tree it was harvested from. It conducted and stored nutrients. The darker-colored wood is called heartwood, due to it's location at the center of the tree. Heartwood is usually preferred in a Premium Cherry door for example, but in a Hickory door a mixture of both is preferred. Not all types of trees/wood have heartwood.

