

Lumber Melamine Hardwood Plywood Architectural Panels Colored Caulk Particle Board Exotic Lumber Moulding Laminates Hardware Edgeband Adhesives Bendable Panels Lumber Melamine Hardwood Plywood



Panels Lumber Melamine Hardwood Plywood Architectural Panels Colored Caulk Particle





## An Extensive Inventory of Premium Hardwood Lumber

With more than 2 million board-feet of kiln capacity and more than 55 years of experience, we're ready to meet your wholesale lumber needs. More than 30 sawmills supply in excess of 50 domestic species of premium hardwood lumber to our concentration yards, which have grown to be among the largest in the eastern United States. We are committed to providing the best possible hardwood lumber and remanufacturing capabilities available, including:

- Remanufacturing: S2S, S4S and straight-line ripping, gang-ripping and moulding capabilities
- Computerized kiln controls with variable speed fans
- Covered air-drying sheds
- NHLA-trained lumber inspectors at each drying yard

Hardwoods Incorporated is also a distributor of premium African, Central and South American hardwood lumber, which is imported directly through our lumber division. Our customers have access to combined inventories of Appalachian and imported lumber, including more than 75 of the world's finest hardwood species, through a single source. This broadened inventory of hardwoods provides purchasing and shipping economies for our customers.

A limited selection of domestic and imported species are available as FSC-certified. Please contact a sales representative at the distribution center in your area for more information about FSC-certified products.

For assistance with products which may help you meet LEED requirements, refer to the chart on page three or contact your Hardwoods Incorporated sales representative.



The mark of  
responsible forestry

FSC® C068144

## TECHNICAL REFERENCE

### NHLA “STANDARD” HARDWOOD GRADES

Grade Names	Face Graded	Minimum Board Size	Minimum Percentage of Yield	Minimum Size of Cuttings
FAS/IF	Best	6" & wider 8' & longer	83.3% CFC*	4" x 5' or 3" x 7'
Selects	Best	4" & wider 6' & longer	83.3% CFC*	4" x 5' or 3" x 7'
#1 Common	Worst	3" & wider 4' & longer	66.6% CFC*	4" x 2' or 3" x 3'
#2A Common	Worst	3" & wider 4' & longer	50% CFC*	3" x 2'

NOTE: Board size is calculated before surfacing and straight-line ripping

\* CFC: clear face cuttings



The National Hardwood Lumber Association first established the North American Hardwood grading rules in 1897. Our company has been a member of NHLA for more than 55 years and our president served as past president of the NHLA board of managers.

The NHLA grades listed above are the “standard” hardwood lumber grades by which the majority of domestic lumber is sold. Hardwood grades can differ from one species to another. See the NHLA rule book for specific species and grade information at <http://www.natlhardwood.org/pdf/Rulebook.pdf>.

Many sawmills use proprietary grades when selling their lumber. (The individual mills make additions or subtractions to NHLA rules, i.e. 10" and wider; or selected 80% white). Although all of our distribution centers use NHLA rules, please specify your requirements for each order.

Imported hardwoods are usually sold under different grading rules. Most imported hardwoods species are sold 6' and longer and 4" and wider. We stock only the highest grades available commercially.

## GROSS OR NET TALLY?

How to calculate board footage:

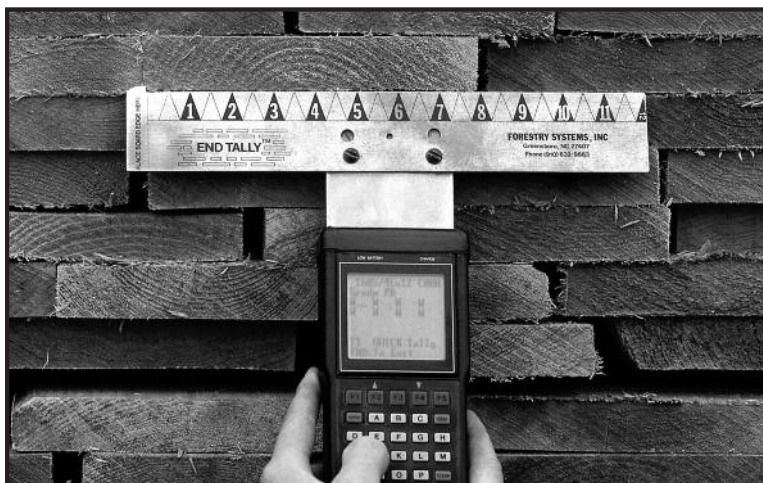
$$\frac{\text{thickness (inches)} \times \text{width (inches)} \times \text{length (feet)}}{12}$$

When lumber dries, the size (board footage) of boards measured actually shrinks. All hardwood lumber shrinks when it dries. Measured green before drying, 1,000 bd-ft of lumber might actually measure 920 bd-ft after kiln drying. A lumber tally based on the green measurement is called a gross tally. Lumber measured after drying is called net tally.

**We will gladly quote lumber net or gross tally.** In certain regions, i.e. the West Coast or in export markets, all lumber is sold net tally. In the Southeast and Appalachian areas, wholesale lumber is quoted more typically as gross tally.

Always inquire how the lumber is being measured. Rarely do distributors quote net tally after straight-line ripping. Most mills will estimate 20% footage loss in straight-line ripping, plus seven percent for kiln shrinkage.

In the end, your footage can be different, based on net or gross tally and additional loss during millwork services. Whether gross or net tally is used, the tally and invoice are calculated using different methodologies. We provide tallies on all shipments of more than 250 bd-ft.





## MILLWORK SERVICES

Our distribution centers and affiliated yards offer a full range of millwork services. Our White County Mouldings plant in Cleveland, GA, is certified as a manufacturer of FSC-certified hardwood mouldings. We operate a state-of-the-art dimension plant capable of producing custom profiles, S4S, and finger-jointed mouldings. Talk with your Hardwoods Incorporated sales representative about ordering FSC-certified moulding profiles through our distribution centers. Our millwork services include:

**Planing:** We operate six Newman hydraulic planers; four with straight knives for cabinet finishing. We can provide hit-or-miss or surface to your specified thickness.

Standard Surface Thickness			
4/4	13/16"	8/4	1-13/16"
5/4	1-1/16"	10/4	2-1/4"
6/4	1-5/16"	12/4	2-3/4"

**Straight-line Ripping:** Most 4/4 domestic species are stocked S2S and straight-line ripped, one edge. Our straight-line saws are equipped with laser lights to provide a "glue line" edge with minimal waste.

**Gang-ripped Blanks:** Customers with moulding capabilities can benefit from purchasing ripped-to-width blanks. All of our distribution yards have gang-rip capabilities.

**Custom Flooring & Paneling:** When you select the species and grade, we can create them as flooring or paneling, with tongue and groove or v-joint patterns.

**Custom Moulding Profiles:** With more than a thousand knives, we can mill any standard or custom moulding profile desired. Please see the moulding section, page 49, for more details about our capabilities.



## DOMESTIC HARDWOOD AND SOFTWOOD LUMBER

Our distribution centers stock only the highest NHLA grades available in most species. (See Species Guide, page 103.) Lower grades are readily available from our concentration drying yards. A limited number of domestic wood species are also available as FSC-certified lumber. Please check with your sales representative for lead times.

Species	Grade	4/4	5/4	6/4	8/4	10/4	12/4	16/4
Alder	Superior	•						
	Cabinet	•						
Ash	FAS/IF	•	•		•		•	
Basswood	FAS/IF	•			•			•
	#1 Common	•			•			
Birch	FAS/IF	•			•			
	#1 Common	•						
Cedar, Aromatic Red	#1 Common	•						
Cherry	FAS/IF	•	•		•	•	•	
	#1 Common	•						
Cherry, Curly	FAS/IF	•			•			
Heart Pine	Select	•						
Hickory	FAS/IF	•						
	#1 Common	•						
Maple, Hard	SEL & BTR	•	•		•			
Maple, Bird's-eye	SEL & BTR	•						
Maple, Soft	FAS/IF	•	•		•			
	#1 Common	•						
Maple, Curly	SEL & BTR	•			•			
Maple, Quilted	SEL & BTR	•			•			
Oak, Red	FAS/IF	•	•		•			
	#1 Common	•	•					
Oak, Red Quarter Sawn	FAS/IF	•						
Oak, Red 10+ Wider	FAS/IF	•						
Oak, Red 12+ Wider	FAS/IF	•						
Oak, White	FAS/IF	•	•		•			
Oak, White Quarter Sawn	FAS/IF	•						
Poplar	FAS/IF	•	•		•	•	•	•
	#1 Common	•			•			
	10+ Wide	•						
Red Gum	FAB	•						
Walnut	FAS/IF	•	•		•			
White Pine, Eastern	Furniture Grade	•	•		•			
Wormy Chestnut	#2 or Better	•						

## IMPORTED HARDWOOD LUMBER (SEE SPECIES GUIDE, PAGE 103)

We offer one of the widest selections of imported and exotic hardwood lumber in the Southeast. Typically, imported hardwood grades are comparable to select and better hardwood grades in the NHLA rule book. We offer only the top commercial grades available in all of our imported lumber. A limited number of imported wood species are also available as FSC-certified lumber. For information on current inventory and availability, please contact the distribution center in your area.

Species	4/4	5/4	6/4	8/4	10/4	12/4	16/4
Afrormosia	•	•	•	•			
Anigre	•	•	•	•			
Beech, European Steamed	•	•	•	•			
Bloodwood	•			•			
Bocote	•						
Bubinga	•	•	•	•		•	
Bubinga Pomele	•			•			
Canary Wood	•			•		•	
Cedar, Spanish	•	•	•	•		•	
Cocobolo	•			•			
Ebony, Black African	•			•			
Ebony, Brazilian	•						
European Brown Oak	•			•			
Goncalo Alves	•			•			
Granadillo	•						
Ipe	•	•					
Iroko	•			•			
Jatoba (Brazilian Cherry)	•	•	•	•			
Lacewood (Leopardwood)	•			•			
Limba, Black	•			•			
Limba, White	•						
Mahogany, African	•	•	•	•		•	•
Mahogany, Santos	•	•					
Makore	•	•	•	•			
Obeche	•						
Padauk (African)	•	•	•	•			
Purple Heart	•			•			
Red Grandis (Eucalyptus)	•	•	•	•			
Rosewood, Honduras	•						

Species	4/4	5/4	6/4	8/4	10/4	12/4	16/4
Sapele	•	•	•	•		•	•
Shedua	•			•			
Sipo	•	•	•	•	•	•	
Sycamore, European	•			•			
Teak, Genuine	•	•	•	•			
Tulipwood	•						
Walnut, Peruvian	•			•			
Wenge	•	•	•	•			
Yellowheart	•			•			
Zebrawood	•	•	•	•		•	

## DIMENSION LUMBER (SEE SPECIES GUIDE, PAGE 103)

Dimension lumber is moulded four sides. Custom moulding and dimension lumber orders are available by request. Please contact the distribution center in your area for more detailed information or assistance with an order.

Species	1 x 2	1 x 4	1 x 6	1 x 8	1 x 10	1 x 12	2 x 6	2 x 8
Basswood Faceplate	•							
Cypress			•	•	•			•
Soft Maple			•	•				
Soft Maple Faceplate	•							
Pine Shelving (White #3)						•		
Poplar	•	•	•	•	•	•	•	•
Red Oak	•	•	•	•	•	•	•	•
Red Oak Faceplate	•							
Ipe-Decking		•	•	•				



*State-of-the-art equipment, technology and an experienced team mean that we can process custom surfacing requests quickly. Let us quote your next order of custom-surfaced lumber.*