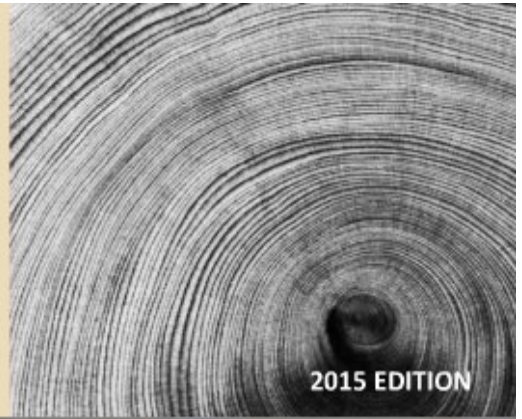


HARDWOOD PLYWOOD

Grading Guide



2015 EDITION

A GUIDE TO UNDERSTANDING POPULAR HARDWOOD PLYWOOD FACE VENEER GRADES



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From the tree to works of art: A guide to understanding the hardwood plywood standard

An introduction from Ang Schramm

Trees are amazing. They provide us with shelter, warm our hearths, and shade us from the heat of the summer sun. But they also give us far more as they offer up their inner distinctiveness to serve us as one of the most functional and attractive of all materials for quality kitchen and bath cabinetry, fine furniture, architectural millwork, store fixtures, and wall furnishings, to name just a few.

Wood is a unique material for decorative applications in that by its very nature no two pieces can ever be exactly alike. Its appearance may be consistent for a given species within a broad and generalized range, but even wood from the same tree can

vary in aesthetics and physical properties. Growth conditions such as geography and climate, availability of water and nutrients, adverse weather, genetics, pestilence, injury, competition for space, bacterial or viral infection, the presence of extraneous compounds contributing to the color of heartwood, the lighter color of sapwood, and the presence of limbs and their relationship to figure and knots, are but a few of the factors contributing to this phenomenon.

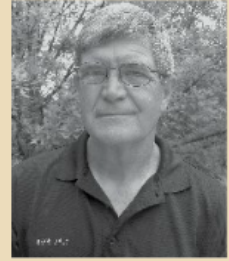
It is the purpose of this publication to help us give some order to this assortment of characteristics in a practical manner with an overview of the industry standard

grading tables and other content, including veneer production, core options, and plywood manufacture. With a sound understanding of the inherent individuality of trees, we have the rare opportunity to make every project or job a signature work of art!

Our goal is to provide this information in a way that is easy to understand and that will give us a valuable tool to help enhance communication and ensure that all your expectations are met when you choose Columbia Forest Products' PureBond® Hardwood Plywood.



HARDWOOD PLYWOOD Grading Guide



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A Complete Guide to Hardwood Plywood and Face Veneer

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HICKORY (*Carya spp.*)

Common names: Various common names, such as Pignut Hickory, Mockernut Hickory, Shellbark Hickory, Shagbark Hickory

Sources: USA and Canada

Characteristics: Pale yellow sapwood with light brown to reddish brown to gray brown heartwood. Some moderately coarse early wood, but otherwise hard and smooth. Some may contain color variation, color streaks, and rustic marks like worm track and bird peck. Same genus as Pecan.

Common cuts: Plain sliced, Rotary cut

Uses: Cabinetry, millwork, paneling, fine furniture, flooring, and molding.

Availability: Abundant

Price: \$\$



Hickory
Plain Sliced A



Hickory
Plain Sliced A



Hickory
Plain Sliced B

Natural Characteristics	A Grade	B Grade	Rustic
Small Conspicuous Burls & Pin Knots — Comb. Avg. Number	64 per 4 x 8' panel	No Limit	As agreed upon between buyer and seller
Conspicuous Burls — Max. Size	3/8"	1/2"	
Conspicuous Pin Knots	2 per 1 sq ft	No Limit	
Average Number	64 per 4 x 8' panel	1/8"	
Max. Size: Dark Part	1/8"	1/4"	
Max. Size: Total	1/4"		
Scattered Sound and Repaired Knots		1 per 8 sq ft	
Comb. Average Number	No	4 per 4 x 8' panel	
Max. Size — Sound		3/8"	
Max. Size — Repaired		1/8"	
Avg. Number — Repaired		1 per 8 sq ft	
Mineral Streaks	Slight	Yes	
Bark Pockets	Small, Occasional	Few to 1/4" x 2"	
Worm Tracks	Slight	Few	
Vine Marks	Occasional	Yes	
Cross Bars	Occasional	Yes	
Bird Peck	Slight	Yes	
Knife Marks	Knife marks may occur in these high density species		

Important Disclaimer

The photographs on this site are presented as examples only, and are not intended to represent or predict in any form the actual appearance of any grade or species. No range of color, grain, or other natural characteristics can be fully depicted in any single photograph or collection of photographs, and no representation or guarantee of appearance of any grade or species is made with respect to any such photograph contained herein.