



Red Oak

It is as difficult to adequately describe the natural beauty and character of wood as it is to describe an original painting in oil. In fact, this is more than a passing comparison. A tree and a painting are both originals, and each is the only one of its kind.

veneer summary table rotary

This cut follows the log’s annual growth rings, providing a generally bold random appearance.

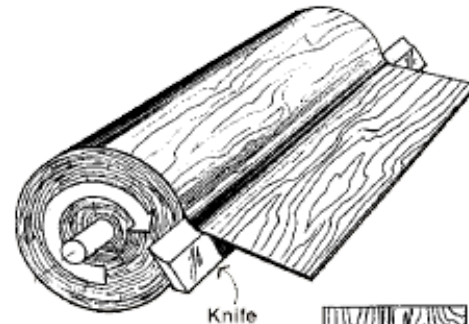
Species	Oak	NATURAL CHARACTERISTICS	
Cut	Rotary	Small conspicuous burls and pin knots – Combined average number	1 per 2.69 sq. ft. (0.25 sq. m)
Grade description	A	Conspicuous burls – Maximum size	3/8” (9.5 mm)
COLOR AND MATCHING (red)		Conspicuous pin knots – Average number	1 per 2.69 sq. ft. (0.25 sq. m)
Sapwood	5%	Maximum size: dark part	1/8” (3 mm)
Heartwood	Yes	Maximum size: total	1/4” (6 mm)
Color streaks or spots	Yes	Scattered sound and repaired knots – Combined average number	No
Color variation	Slight	Maximum size – dark part	No
Sharp color contrasts at joints	No	Maximum size – repaired	No
TYPE OF MATCHING		Average number – Repaired	No
Book matched	Yes	Mineral Streaks	Slight; Bending
Continuous matched (transom)	Specify	Bark pockets	No
Slip matched	Specify	Worm tracks	No
Random matched	Specify	Vine Marks	Slight
Nominal minimum width of face components	Rotary 4” (102 mm)	Cross bars	Slight
ADAPTED FROM HPVA LATEST EDITION.		MANUFACTURING CHARACTERISTICS	
		Rough cut	No
		Blended repaired tapering hairline splits	Two 1/16” x 6” (1.6 mm x 152 mm)
		Repairs	Small Blending
		SPECIAL CHARACTERISTICS	
		Ray fleck	Slight; Bending



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Book and center balance match

ROTARY



Rotary (lathe)

- Wide sheets
 - Broad pattern
 - Difficult matching
- Used primarily on economy or commercial grades.*



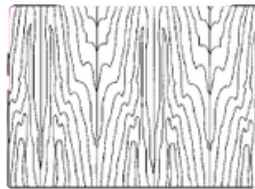
Very broad pattern

MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

Leaf matching

The way in which the individual cuts are placed next to each other during the fabrication of the veneer face is the next factor affecting the appearance of the doors. The type of match at the joint line must be specified. Natural variations in the leaves and the progression of the grain pattern across the face are the hallmarks of real wood doors.

BOOK MATCH



The most commonly used match in the industry. Every other piece of veneer is turned over so adjacent pieces are opened like two adjacent pages in a book. The veneer joints match and create a mirrored image pattern at the joint line, yielding a maximum continuity of grain. Book matching is used with rotary, plain sliced, quarter, rift cut or comb grain veneers.

Barber pole effect in book match

Because the "tight" and "loose" faces alternate in adjacent pieces of veneer, they may accept stain differently, and this may result in a noticeable color variation called barber poling.

ASSEMBLY OF SPLICED VENEER ON A FACE

The type of "assembly match" must be specified to obtain a desired appearance. Any sequence matching from opening to opening must be specified.

CENTER BALANCE MATCH

In a Center Balance Match an even number of equal width veneer leaves makes up the panel face. This produces horizontal symmetry. A small amount of figure is lost in the process.

