

SOUND *Birch*

4

Paint Grade

The beauty
and character of wood

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.



10/2008

VENEER SUMMARY TABLE

ROTARY

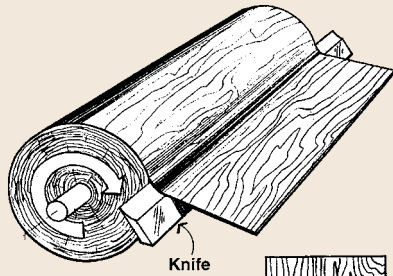
This cut follows the log's annual growth rings, providing a generally bold random appearance.

| | |
|--|---|
| Species | Birch |
| Cut | Rotary |
| Grade description | Sound (Paint) |
| COLOR AND MATCHING | Natural |
| Sapwood | Yes |
| Heartwood | Yes |
| Color streaks or spots | Yes |
| Color variation | Yes |
| Sharp color contrasts at joints | Yes |
| TYPE OF MATCHING | |
| Book matched | Yes |
| Slip matched | No |
| Nominal minimum width of face components | Rotary 3" (76 mm) |
| NATURAL CHARACTERISTICS | |
| Small conspicuous burls and pin knots – Combined average number | No limit |
| Conspicuous burls – Maximum size | No limit |
| Conspicuous pin knots – Average number | No limit |
| – Maximum size: dark part | No limit |
| – Maximum size: total | No limit |
| Scattered sound and repaired knots – Combined average number | 1 per 4 sq. ft. (0.37 m ²) 8 per 4' x 8' (1.2 m x 2.4 m) panel |
| – Maximum size – Sound | 1/2" (13 mm) |
| – Maximum size – Repaired | 1/2" (13 mm) |
| – Average number – Repaired | 1 per 8 sq. ft. (0.74 m ²) |
| Mineral streaks | Yes |
| Bark pockets | Few to 1/4" x 2" (6 mm x 51 mm) |
| Worm tracks | Yes |
| Vine marks | Yes |
| Cross bars | Yes |
| MANUFACTURING CHARACTERISTICS | |
| Rough cut | Two 8" (203 mm) diameter or equivalent |
| Blended repaired tapering hairline splits | Four 3/16" x 8" (4.8 mm x 203 mm) |
| Repairs | Yes |

ADAPTED FROM
HPVA LATEST EDITION.

Rotary

Book and random match or whole piece



Rotary (lathe)

- Wide sheets (whole piece)
- Broad pattern
- Difficult matching
- Used primarily on economy or commercial grades.



Very broad pattern

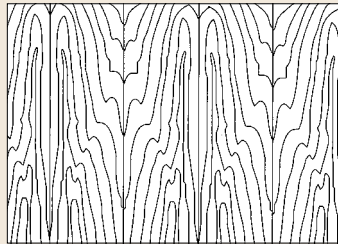
MATCHING BETWEEN INDIVIDUAL PIECES OF VENEER

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 could be any below.

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 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.

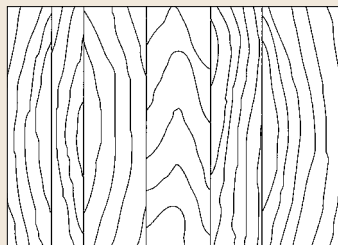


Barber pole effect in book match

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.

RANDOM MATCH

A random selection of individual pieces of veneer from one or more logs produces a "board like" appearance. It is most commonly used in opaque and "good" grade doors.



OR

WHOLE PIECE

