



# Natural Birch

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.

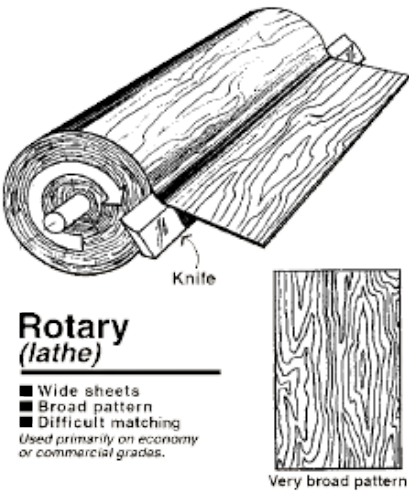
|                                          |                    |                                                                    |                                     |
|------------------------------------------|--------------------|--------------------------------------------------------------------|-------------------------------------|
| Species                                  | Birch              | NATURAL CHARACTERISTICS                                            |                                     |
| Cut                                      | Rotary             | Small conspicuous burls and pin knots<br>– Combined average number | 1 per 2.69 sq. ft.<br>(0.25 sq. m)  |
| Grade description                        | A                  | Conspicuous burls – Maximum size                                   | 3/8" (9.5 mm)                       |
| COLOR AND MATCHING (natural)             |                    | Conspicuous pin knots – Average number                             | 1 per 8 sq. ft. (0.74 sq. m)        |
| Sapwood                                  | Yes                | 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<br>– Combined average number    | No                                  |
| Color variation                          | Yes                | Maximum size – Sound                                               | No                                  |
| Sharp color contrasts at joints          | No                 | Maximum size – Repaired                                            | No                                  |
| TYPE OF MATCHING                         |                    | Average number – Repaired                                          | No                                  |
| Book matched                             | Yes                | Mineral Streaks                                                    | Slight                              |
| Slip matched                             | Specify            | Bark pockets                                                       | No                                  |
| Random matched                           | Specify            | Worm tracks                                                        | Slight                              |
| Nominal minimum width of face components | Rotary 4" (102 mm) | Vine Marks                                                         | Slight                              |
| ADAPTED FROM HPVA LATEST EDITION.        |                    | Cross bars                                                         | Slight                              |
|                                          |                    | MANUFACTURING CHARACTERISTICS                                      |                                     |
|                                          |                    | Rough cut                                                          | No                                  |
|                                          |                    | Blended repaired tapering hairline splits                          | Two 1/16" x 6"<br>(1.6 mm x 152 mm) |
|                                          |                    | Repairs                                                            | Small Blending                      |



# Natural Birch

Book and running match

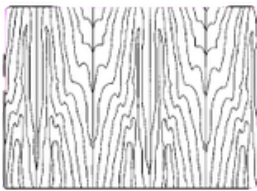
## ROTARY



### 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.

### Plain sliced and rotary cut natural birch

“Natural”, when referring to birch face veneer, indicates that the face may contain both heartwood (the red portion of the log) and sapwood (the white portion) in unrestricted amounts. Thus, natural birch faces may vary from all white to all dark, or any combination of white and dark. Also, the resulting grain configuration from book matched plain sliced natural birch may appear as alternating strips of white and dark veneer. If you prefer a light colored wood, specify white birch (all sapwood). If you want dark colored wood, specify red birch (all heartwood). However, availability is more restricted. The grain pattern of rotary cut birch presents a more bold, random appearance than that of plain sliced veneer. Rotary cut natural veneers present the same general characteristics in terms of color as their plain sliced brethren. Again, the amount of sapwood and heartwood will determine the final appearance.

### RUNNING MATCH

Non-symmetrical appearance in any single door face. Veneer pieces of unequal width. Each face is assembled from as many veneer pieces as necessary.

### 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.

