

*Betula alleghaniensis*

# Yellow Birch



**FAS - Select**



**#1 Common**



**#2 Common**



# Yellow Birch

*Betula alleghaniensis*

|                            |   |
|----------------------------|---|
| <b>Colour</b>              | Sapwood is creamy white to light yellow. Heartwood is reddish brown.            |
| <b>Texture</b>             | Close grain, uniform, similar grain pattern as hard maple, although 25% softer. |
| <b>Common applications</b> | Furniture, flooring, mouldings, millwork, cabinetry, dowels, turnings.          |

|                            |                              | Hard Maple | Soft Maple | Yellow Birch | White Birch | Red Oak | White Oak | White Ash | Beech | Bass-wood | Aspen | Cherry | Walnut |
|----------------------------|------------------------------|------------|------------|--------------|-------------|---------|-----------|-----------|-------|-----------|-------|--------|--------|
| <b>PHYSICAL PROPERTIES</b> | Specific gravity             | 0.659      | 0.545      | 0.608        | 0.571       | 0.612   | 0.676     | 0.613     | 0.667 | 0.417     | 0.408 | 0.551  | 0.594  |
|                            | Density (kg/m <sup>3</sup> ) | 740        | 610        | 670          | 640         | 690     | 750       | 690       | 750   | 460       | 450   | 610    | 660    |
|                            | Hardness                     | 7290       | 4380       | 5930         | 4320        | 6170    | 7130      | 7050      | 6490  | 2140      | 2140  | 4630   | 5910   |
|                            | Bending strength (MPa)       | 115        | 97.6       | 106          | 94.8        | 98.7    | 121       | 108       | 116   | 60.8      | 67.6  | 87.1   | 103    |
|                            | Stiffness (MPa)              | 14100      | 11100      | 14100        | 12900       | 11900   | 15500     | 12800     | 14000 | 9450      | 11200 | 11900  | 13100  |
| <b>WORKING PROPERTIES</b>  | Machinability                | ★★★★       | ★★★        | ★★★★★        | ★★★         | ★★★★★   | ★★        | ★★★       | ★★    | ★★★       | ★★    | ★★★★★  | ★★     |
|                            | Stability                    | ★★         | ★★         | ★★           | ★★          | ★★★★    | ★★★★★     | ★★★       | ★★    | ★★        | ★     | ★★     | ★★★★★  |
|                            | Gluing                       | ★★         | ★★         | ★★           | ★★          | ★★      | ★★        | ★★        | ★★★★  | ★★★★      | ★★    | ★★★★   | ★★★★★  |
|                            | Sandability                  | ★★★        | ★★         | ★★           | ★★          | ★★      | ★★        | ★         | ★★★★  | ★★        | ★     | ★★★★★  | ★★★    |
|                            | Nailability                  | ★★         | ★          | ★★           | ★★          | ★★★★★   | ★         | ★★        | ★     | ★         | ★     | ★      | ★      |
|                            | Paintability                 | ★★         | ★★         | ★★           | ★★          | ★★      | ★★        | ★★★★★     | ★★    | ★★★★★     | ★★    | ★★     | ★★     |
|                            | Stainability                 | ★★         | ★★★★       | ★★★★         | ★★★★        | ★★★     | ★★        | ★★        | ★★    | ★★        | ★★    | ★★★    | ★★     |

EXCELLENT: ★★★★★ VERY GOOD: ★★★★ GOOD: ★★★ FAIR: ★

| STANDARD DIMENSIONS AVAILABLE |   |                     |                     |
|-------------------------------|---|---------------------|---------------------|
|                               | FAS - Select  | #1 Common           | #2 Common           |
| Width (random)                | 4" (100 mm) and up  | 3" (76,2 mm) and up | 3" (76,2 mm) and up |
| Length (random)               | 6' (1,83 m) and up  | 4' (1,22 m) and up  | 4' (1,22 m) and up  |
| Thickness                     | 4/4" (25,4 mm); 5/4" (31,75 mm); 6/4" (38,1 mm); 8/4" (50,8 mm); 10/4" (63,5 mm); 12/4" (76,2 mm) |                     |                     |

Colour pictures shown: 8' (2.44 m).

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