

American Black Walnut

Botanical Name: *Juglans nigra* L

Other Names: Black Walnut

Origin: North America



General

Seasoning: Dries slowly with a tendency to honeycomb.

Working Qualities: Typically easy to work provided the grain is straight and regular. Planer tear out can sometimes be a problem when surfacing pieces with irregular or figured grain. Glues, stains, and finishes well, (though walnut is rarely stained). Responds well to steam bending.

Uses: Furniture, cabinetry, architectural interiors, floors, gunstocks, interior paneling, veneer, turned items, and other small wooden objects and novelties.

Price (I-10): 7

Availability

Availability: Stocked in Random Width 25mm and 50mm thick boards.

Stocked: Yes

Grade Description: Prime A North American grade for a board to provide 83.3% (10/12ths) clear cuttings of either 3" x 7' or 4" x 5'. This means that defects such as knots, splits and wane are permitted, but in small quantities. Suitable for furniture and joinery.

Primary Suppliers: Cole Hardwoods, Baillie Lumber

Basic Info

Durability In Ground: Perishable/Non Durable

Durability Above Ground: Moderately Durable

Density Air Dry: 600 kg/m³

Shrinkage Radial: 6 %

Shrinkage Tangential: 8 %

Stability Kiln Dry: Good dimensional stability

Mechanical Properties

Janka Hardness: 4.5 kN

Modulus of Rupture: 101 MPa

Modulus of Elasticity: 12 GPa

Max Crush Strength: 52 MPa

Fire

ASTM Flame Spread: 130 - 140
