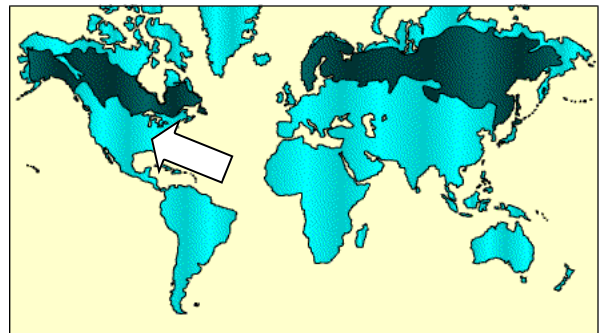


BLUERIDGE 100% Hardwood Engineered Flooring
PRE-FINISHED AMERICAN BLACK WALNUT
150mm x 15mm x rl, 4mm wear layer—Mixed Grade



Black Walnut trees are common in North America



The walnut material for our solid hardwood flooring is sourced from well managed and sustainable forests in the mid US states

Product specification:-

- Species: American Black Walnut (latin: juglans nigra)
- Grade: Mixed Grade (Country and Better to NWFA Grading rules)
- Finish: Prefinished with Aluminium Oxide UV stabilised Varnish, satin finish.
- Width: 150mm
- Thickness: 15 mm with 3.6mm wear layer
- Lengths: According to grade
Minimum: 450mm , Maximum: 1800mm
General average: 850mm.
- Edges: Micorbevelled on all four edges
- Ends: End matched with a tongue and groove
- Sides: Tongue and grooved
- Core: Hardwood staves for strength
- Backing: Edge glued Hardwood for stability
- Pack size: 1.8450 m2
- Pallet: Pallets vary 45/50/55/75 packs ,
83.025/92.25/101.475/138.375 m2 per pallet
Two way entry pallet, plastic wrapped

Note: hardwood flooring is manufactured from completely natural products and grading is carried out by trained personnel. However, there may be slight variations to the specifications listed above, our grading rules limit these occurrence to 5% of the pack quantity and can normally be eliminated during installation.

Walnut, Brazilian	3680	Beech	11.9
Teak, Brazilian	3540	Jarrah	11.0
Purpleheart	2490	Oak, white	10.5
Cherry, Brazilian (jatoba)	2420	Maple, hard	9.9
Bubinga	2690	Birch (yellow)	9.5
Gum, spotted	2473	Hickory/pecan	8.9
Mesquite	2345	Maple, Brazilian/pau marfim	8.8
Mahogany, santos	2200	Oak, Northern red	8.6
Gum, Sydney blue	2023	Cherry, Brazilian (jatoba)	8.5
Merbau	1925	Bubinga	8.4
Jarrah	1910	Walnut, Brazilian/ipe	8.0
Hickory/pecan	1820	Ash, white	7.8
Padouk	1725	Walnut, American black	7.8
Wenge	1630	Teak, Brazilian/cumaru	7.6
Maple, Brazilian	1500	Pine, Southern yellow	7.5
Sapele	1500	Sapele	7.4
Maple, hard	1450	Douglas fir	7.3
Cypress, Australian	1375	Cherry, black	7.1
Oak, white	1360	Mahogany, santos	6.2
Oak, Tasmanian	1350	Purpleheart	6.1
Ash, white	1320	Teak, Thai/Burmese	5.8
Beech	1300	Wenge	5.8
Oak, Northern red	1290	Padouk	5.2
Birch	1260	Merbau	4.6
Iroko	1260	Iroko	3.8
Pine, heart (antique)	1225	Mosquito	3.2
Teak, Thai/Burmese	1070		2.8 Cypress, Australian
	1010 Walnut, American black		
	950 Cherry, black		
	870 Pine, Southern yellow (longleaf)		
	690 Pine, Southern yellow (loblolly/shortleaf)		
	660 Douglas fir		

Species Hardness table (Janka scale)

Species tangential shrinkage in percent (for ref only)



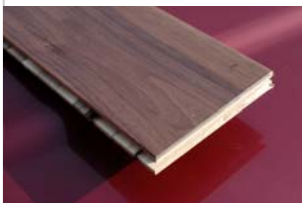
Grading and species characteristics

1. **Burl**, the grade admits any amount of characteristic Walnut burl into the planks.
2. **Clear grain**, in the mixed grade there will be a good proportion of clear grained wood.
3. **Filled knots**, knots that have checks or splits will be filled with wood filler that darkens during the UV curing process to match the surrounding grain.
4. **Filled defects**, small splits in the wood are filled with dark filler. As are small open knots.
5. **Sapwood**, in Walnut the sapwood is yellow to golden colour and starkly different to the dark brown heart wood. The grade allows up to 10% sapwood by area.
6. **Tight knots**, small pin knots and tight knots that occur naturally are admitted to the grade.

The grading rules allow up to 5% out of grade product when measured by area.



The backing used is manufactured from assorted hardwoods for strength and rigidity.



Each edge has a tongue and groove machined for ease of installation. The tongues are made from hardwood strips.



The cross layered construction of glued hardwood strips for strength and stability can be seen in these close up photographs of the reverse side of the product.



Here, the tongue construction showing the small hardwood pieces making up the rigid tongue. This provides better strength than competitor soft-wood backed products.

About the product

The Blueridge product is manufactured in Indonesia especially for Blue Evolution using American Black Walnut imported from the US.

The lumber is taken from well managed forests in the mid US where local Forest Management practice is to plant a greater quantity of trees than those felled.

The facility manufactures the product to strict quality control policies to ensure a consistent and high level of quality.

Packaging includes a foam separator to avoid scratches appearing in the surface finish during transport. The product is packed in 5 side brown cardboard boxes with an open top to display the product then shrink-wrapped.

Delivery and lead times

Pallet orders are delivered on 3 to 4 days lead time from receipt of order.

Note:

Blue Evolution reserves the right to change the above information at any time. Products are sold subject to mill availability. No consequential liability is accepted by Blue Evolution whatsoever resulting from the information contained in this document.