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### Product Details

Product Code	EP150
Product Range	Australian Collection
Construction	Engineered
Species	Australian Blackbutt
Pattern	1-Strip
Process	Smooth Sanded
Finish	Matt Lacquered
Profile	5G Click System
Edge Profile	Square Edge
Top Layer	3mm Blackbutt Wear Layer
Backing	Hevea Core with Eucalyptus Backing
Thickness	14mm
Width	136mm
Length	Maximum length, 1820mm or 2130mm, with up to 37% of shorter boards down to 910mm minimum length. Up to 3 out of 8 rows in each pack will have short boards.
Pack Size	1.9656 / 2.3004
Grade	Classic
Maintenance	Comprehensive maintenance instructions and materials are available from Havwoods for all floors.

### Installation Methods

Fully Bonded	Yes*
Nailed	No
Floated on underlay	Yes*
Over Underfloor Heating	Not Recommended

### Grading Criteria

Classic grade, typically will include both heartwood and sapwood and allows a wider range of colour variation ranging from pale grey and light brown to a dark chocolate with some reddish tinges. Timber colours are mainly dependent on the wood species. All timber varies in colour when exposed to light over a period. Knots are larger and you should expect checks (cracks across the growth ring). A filler will be used, the colour of which is carefully selected to complement the wood rather than to match it exactly. Colour of filler used may vary from batch to batch. Pin holes are allowed. Gum veins are allowed - width up to 5mm permitted and individual gum vein up to 60% of the board length permitted.

**NB: The product grading criteria is an approximation only. Please ask for details. Contact your Havwoods consultant on 1300 428 966.**

### Technical Criteria

Origin	Australian Grown Blackbutt, Manufactured in Malaysia
Sustainability	Havwoods timber is sourced from sustainably managed forests that also adhere to local illegal logging legislation.
Janka Hardness Rating	9.1 kN
Formaldehyde Emission	E1 (EN 717-1) <0.03 ppm
Pentachlorophenol Emission	NPD
Slip Testing	P3 - Slip report available
Reaction to Fire	AS ISO 9239.1-2003 - 2.9 kW/m <sup>2</sup>
Thermal Conductivity	NPD

^ Please note that this is a smoked/fumed product. This reactive process will typically generate a wider range of colour variation in the product.

\* Subject to compatible subfloor and correct installation (see Installation Guidelines) including sensors.

\*\* This product may require on-site sanding prior to applying a suitable finish

# Temperature of top-face must never be allowed to exceed 27°C. Under Floor Heating UFH protocol to control temperature conditions is recommended.

‡ Pack lengths will either be 1950mm or 2400mm dependent upon stock availability.

**Installation and Warranty:** All Havwoods floor must be installed by a competent installer who will have the necessary skills and take individual site circumstances into account. Havwoods warranty will apply only to floors which have been installed by a competent flooring installer adhering to Australian standards or equivalent standards worldwide.

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