



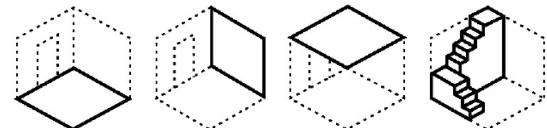
# Technical Data Sheet

Version 2.0

HW2604

## End Grain

### Venture Plank



#### Specification

Pattern	Plank
Construction	4-Layered Engineered
Top Layer Specie	European Oak (Quercus Robur)
Surface Process	Sanded
Finish	Matt Lacquered
Connection System	Tongue & Groove
Edge Profile	Square Edge
Backing	Spruce (Picea spp.)
Wear Layer Thickness	4.2mm
Total Thickness	16mm
Width	180mm
Length	2200mm (May include up to 25% shorter boards)
Pack Size	2.77m <sup>2</sup>
Grade	Nature



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#### Key

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

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

## Installation Methods

Fully Bonded	Yes* (recommended)
Nailed/Screwed	Yes*
Floated on Underlay	Yes*
Over Underfloor Heating	Yes*# (Please ask for our technical guidelines)

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 comparable to BS8201 in the UK or equivalent standards worldwide.

## Grading Criteria

Sound Knots	Up to 60mm Ø allowed
Broken Knots	Up to 30mm Ø allowed
Filled Defects	Allowed
Heat/Pith	Trace
Sapwood	Max 10% of boards / Max 10% width
End Checks	Up to width of board (Max 2mm open)
Insect Damage	Not allowed
Filler	Allowed
Colour Variation	Allowed
Small Cracks	Allowed
Inner Bark	Not allowed
Modullary Rays	Allowed

N.B. The product grading criteria is inspected at each mill visually and should be taken as an approximation only. To allow for unavoidable variations in the material characteristics, 3% of materials may vary from the stated range.

## Technical Criteria

Origin	Europe
Certification	PEFC™ Certified (PEFC/16-37-1417)
Janka Hardness Rating	1,120 lbf (4,980N)
Formaldehyde Emissions	E1 (EN 717-1)
Pentachlorophenol Emissions	< 5ppm (CEN/TR 14823)
Reaction to Fire Classification	Dfl-s1 (EN 13501-1:2007)
Thermal Conductivity	λ 0.23 W/m K (EN 12664)



# HAVWOODS

**For More Information  
Contact Our Experienced Team:**

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Comprehensive maintenance instructions and materials are available from Havwoods for all floors.



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