



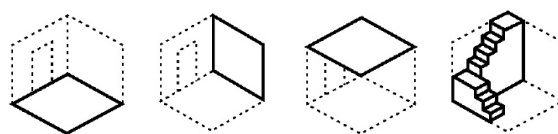
# Technical Data Sheet

Version 1.0

HW920B

## European Oak

### Venture Plank



#### Specification

Pattern	Plank
Construction	Multi Layered Engineered
Top Layer Specie	European Oak ( <i>Quercus robur</i> )
Surface Process	Sanding Required**
Finish	Unfinished
Connection System	Tongue & Grooved
Edge Profile	2-Sided Bevelled Edge
Backing	Birch Plywood ( <i>Betula</i> spp.)
Wear Layer Thickness	3mm
Total Thickness	13mm
Width	190mm
Length	1800–2400mm‡ (May include up to 25% shorter boards)
Pack Size	2.12–2.60m <sup>2</sup>
Grade	Character



The mark of  
responsible forestry

#### Key:

‡ Pack lengths will vary between the specified minimum and maximum lengths depending upon stock availability.

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

\* 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	No
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.

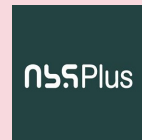
## Grading Criteria

Sound Knots	Up to 70mm Øallowed
Broken Knots	UUp to 35mm Øallowed
Filled Defects	Allowed
Heart /Pith	Sporadic allowed
Sapwood	≤ 20% of surface area allowed
End Checks	Firmly filled
Insect damage	Not allowed
Filler	Allowed
Colour variation	Allowed
Small cracks	Firmly filled
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	FSC® Certified (FSC-C009500)
Janka Hardness Rating	1,120 lbf (4,980N)
Formaldehyde Emissions	E1 (EN717-1)
Pentachlorophenol Emissions	< 5ppm (CEN/TR 14823)
Slip Testing	Not assessed as unfinished
Reaction to Fire Classification	Dfl-s1 (EN13501-1)
Thermal Conductivity	0.18 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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