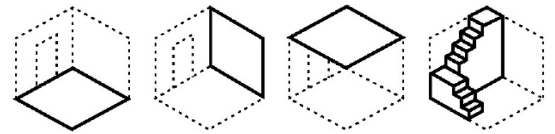


# Technical Data Sheet

Version 1.0



HW8904R  
**Strand**  
 Handgrade



## Specification

Pattern	End grain plank
Construction	Multi-layered engineered
Top Layer Specie	European oak ( <i>Quercus robur</i> )
Surface Process	Brushed
Finish	Oiled
Connection System	Tongue & groove
Edge Profile	Bevelled edge
Backing	Birch plywood ( <i>Betula pendula</i> )
Wear Layer Thickness	4.2mm
Total Thickness	18mm
Width	130mm
Length	1170mm
Pack Size	TBC
Grade	Select



The mark of responsible forestry

### Key

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

### Installation Methods

Fully Bonded	Yes* (recommended)
Nailed/Screwed	No
Floated on Underlay	No
Over Underfloor Heating	No

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 10mm Ø allowed
Broken Knots	Up to 10mm Ø allowed
Filled Defects	Allowed
Heart/Pith	Allowed
Sapwood	Not allowed
End Checks	Not allowed
Insect Damage	Not allowed
Filler	Allowed, black filler
Colour Variation	Allowed
Small Cracks	Allowed
Inner Bark	Allowed
Medullary 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 (EN 717-1)
Pentachlorophenol Emissions	< 5ppm (CEN/TR 14823)
Reaction to Fire Classification	Dfl-s1 (EN 13501-1)



# 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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