



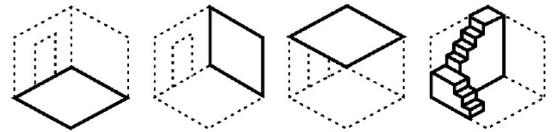
## Technical Data Sheet

Version 2.1

HW9832

# Amazon FR

FlameLESS



### Specification

Pattern	Plank
Construction	Multi-layered engineered
Top Layer Specie	European oak ( <i>Quercus robur</i> )
Surface Process	Sanded & stained
Finish	UV acrylic lacquer
Connection System	Tongue & groove
Edge Profile	2-sided bevelled edge
Backing	Birch plywood ( <i>Betula spp.</i> )
Wear Layer Thickness	4mm
Total Thickness	16mm
Width	190mm
Length	600-2400mm (May include up to 25% shorter boards)
Pack Size	TBC
Grade	Character



The mark of responsible forestry

#### 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 50mm Ø allowed
Filled Defects	Allowed
Heat/Pith	Pith rays allowed but rare
Sapwood	Allowed
End Checks	Allowed
Insect Damage	Not allowed
Filler	Allowed
Colour Variation	Allowed
Small Cracks	Allowed
Inner Bark	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 (EN 717-1)
Pentachlorophenol Emissions	< 5ppm (CEN/TR 14823)
Reaction to Fire Classification	Bfl-s1 (EN 13501-1)
Slip Testing	64/54 PTV (EN 16165:2021)



# 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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