



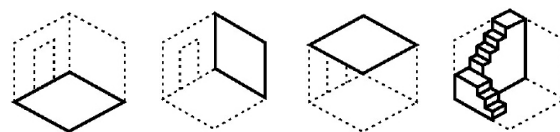
# Technical Data Sheet

Version 1.0

HW151

## European Oak

Gold Leaf



### Specification

Pattern	Herringbone
Construction	Solid
Top Layer Specie	European Oak ( <i>Quercus robur</i> )
Surface Process	Sanding Required**
Finish	Unfinished
Connection System	Tongue & Grooved
Edge Profile	Square Edge
Backing	N/A
Wear Layer Thickness	N/A
Total Thickness	22mm
Width	70mm
Length	280mm
Pack Size	0.78m <sup>2</sup>
Grade	Rustic



#### Key:

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

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

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

\* 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	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 70mm Ø allowed
Broken Knots	Up to 35mm Ø allowed
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

**N.B.** The product grading criteria is inspected at each mill visually and should be taken as an approximation only.

## Technical Criteria

Origin	Europe
Responsible 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	Cfl-s1 (EN 13501-1:2007)



# HAVWOODS

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



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