# HAVWOODS



### **Technical Data Sheet**

Version 1.0

HW3292

Elst

Henley









#### **Specification**

Pattern	Herringbone
Construction	Multi Layered Engineered
Top Layer Specie	European Oak (Quercus robur)
Surface Process	Heavy Brushed & Smoked^
Finish	UV Oiled
Connection System	Tongue & Groove
Edge Profile	4-Sided Bevelled Edge
Backing	Eucalyptus Plywood (Eucalyptus grandis)
Wear Layer Thickness	3mm
Total Thickness	14mm
Width	125mm
Length	600mm
Pack Size	0.90m <sup>2</sup>
Grade	Rustic



The mark of responsible forestry

#### Key:

- $\land$  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	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 45mm Øallowed
Broken Knots	Up to 40mm Øallowed
Filled Defects	Half-filled
Heart/Pith	Allowed
Sapwood	Up to 40mm width allowed
End Checks	Up to 5mm wide & 100mm long
Insect Damage	Up to 3mm (no more than 2)
Filler	Allowed
Colour Variation	Allowed
Small Cracks	Up to 5mm wide & 50mm long
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	Asia
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	54/31 PTV (CEN/TS 15676:2007)
Reaction to Fire Classification	Dfl-s1 (EN 13501-1:2007)
Thermal Resistance	0.13 W/m K (EN 12664)





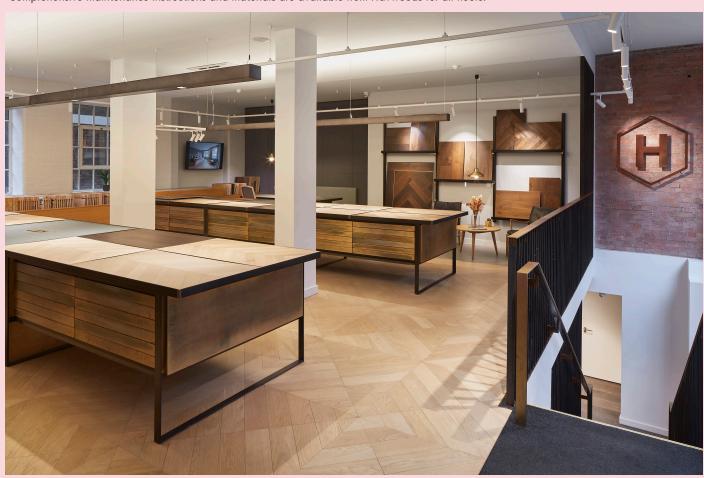
## **HAVWOODS**

## 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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