



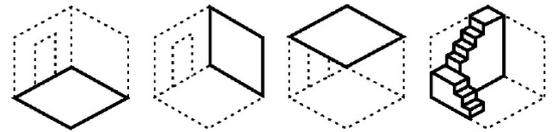
# Technical Data Sheet

Version 2.0

HW3292

Elst

Henley



## Specification

Pattern	Herringbone
Construction	Multi-layered engineered
Top Layer Specie	European oak ( <i>Quercus robur</i> )
Surface Process	Heavy brushed & smoked <sup>^</sup>
Finish	UV oiled
Connection System	Tongue & groove
Edge Profile	4-sided bevelled edge
Backing	Eucalyptus plywood ( <i>Eucalyptus grandis</i> )
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

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

\* 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
Heat/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
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	Asia
Certification	FSC® Certified (FSC-C009500), FloorScore®
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 13501-1:2007)
Slip Testing	54/31 PTV (CEN/TS 15676:2007)
Thermal Conductivity	λ 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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