



## Technical Data Sheet

Version 2.1

HW12122

# Pembroke

H Collection



### Specification

Pattern	Plank
Construction	Multi-layered engineered
Top Layer Specie	European oak ( <i>Quercus</i> spp.)
Surface Process	Brushed
Finish	Matt lacquered
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	190mm
Length	1900mm (May include up to 25% shorter boards)
Pack Size	1.805m <sup>2</sup>
Grade	Rustic



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	No
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 90mm Ø allowed
Broken Knots	Up to 50mm Ø allowed
Filled Defects	Allowed
Heat/Pith	Not Allowed
Sapwood	Allowed
End Checks	Up to 7mm wide & 400mm long
Insect Damage	Allowed
Filler	Allowed
Colour Variation	Allowed
Small Cracks	Allowed
Inner Bark	Up to 4mm wide & 40mm long, 3 allowed per board
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)
Janka Hardness Rating	1,120 lbf (4,980N)
Formaldehyde Emissions	E1 (EN 717-1)
Pentachlorophenol Emissions	< 5ppm (CEN/TR 14823)
Reaction to Fire Classification	Cfl-s1 (EN 13501-1)
Slip Testing	54/23 PTV (CEN/TS 15676:2007)



# 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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