

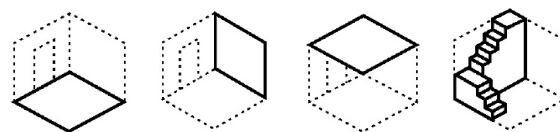
# Technical Data Sheet

Version 1.0



BPF19/1612/180

## Portland Henley



### Specification

Pattern	Plank
Construction	Multi Layered Engineered
Top Layer Specie	European Oak ( <i>Quercus robur</i> )
Surface Process	Distressed & Smoked <sup>^</sup>
Finish	UV Oiled
Connection System	Tongue & Groove
Edge Profile	2-Sided Hand Cut Bevelled Edge
Backing	Birch Plywood ( <i>Betula</i> spp.)
Wear Layer Thickness	4mm
Total Thickness	19mm
Width	180mm
Length	1950–2400mm (May include up to 25% shorter boards)
Pack Size	1.40–1.73m <sup>2</sup>
Grade	Character

#### 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.

\*\* 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	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 30mm Ø allowed
Filled Defects	Allowed
Heart/Pith	Trace
Sapwood	Face Side allowed (Max 10% of boards up to max 10% of width)
End Checks	No longer than width of board (Max 2mm open)
Insect Damage	Not allowed
Filler	Allowed
Colour Variation	Allowed
Small Cracks	Allowed
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
Janka Hardness Rating	1,120 lbf (4,980N)
Formaldehyde Emissions	E1 (EN717-1)
Pentachlorophenol Emissions	< 5ppm (CEN/TR 14823)
Slip Testing	65/39 PTV (BS 7976-2:2002+A1:2013)
Reaction to Fire Classification	Cfl-s1 (EN 13501-1:2007)
Thermal Resistance	0.17 W/m K (EN 12664)



# HAVWOODS

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



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