



## TECHNICAL DATA SHEET

### BPF21/1639/180 Raven

#### Henley

USAGE: (SEE HAVWOODS QUICK REFERENCE GUIDE TO CHOOSING THE CORRECT FLOOR).



#### PRODUCT DETAILS

Product Code	BPF21/1639/180
Product Range	Henley
Construction	Engineered
Specie	European Oak
Pattern	1-Strip
Process	Sawn & Smoked
Finish	Oiled
Profile	Tongue & Groove
Edge Profile	Bevelled Edge
Top Layer	6mm European Oak
Backing	Birch Plywood
Thickness	20mm
Width	180mm
Length	1950-2400mm‡ (May include up to 25% shorter boards)
Pack Size	1.40-1.73m <sup>2</sup>
Grade	Character
Maintenance	Comprehensive maintenance instructions and materials are available from Havwoods for all floors.

#### INSTALLATION METHODS

Fully Bonded	Yes* (recommended)
Nailed	Yes*
Floated on underlay	Yes*
Over Underfloor Heating	Yes*# (Please ask for our technical guidelines)

#### GRADING CRITERIA

Typically, character grade will include both heartwood and sapwood and allows a wider range of colour variation. Knots are larger and you should expect checks (cracks across the growth ring). Filler will be used, the colour of which is selected to complement the wood rather than to match it exactly, and it may vary from batch to batch.

N.B. The product grading criteria is inspected at each mill visually and should be taken as an approximation only. Please ask for further details.

#### TECHNICAL CRITERIA

Origin	Europe
Responsible Certification	Please ask a member of staff for details
Janka Hardness Rating	1,120 lbf (4,980N)
Formaldehyde Emission	E1 (EN 717-1)
Pentachlorophenol Emission	< 5ppm (CEN/TR 14823)
Slip testing	63/30 PTV (BS7976-2:2002+A1:2013)
Reaction to Fire Certification	Cfl-s1 (EN 13501-1:2007)
Thermal Conductivity	λ 0.17 W/m K (EN 12664)

\* Subject to compatible subfloor and correct installation (see Installation Guidelines) including sensors.

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

# Temperature of top-face must never be allowed to exceed 27°C. UFH protocol to control temperature conditions is recommended.

‡ Pack lengths will vary between 1950mm or 2400mm dependant upon stock availability.

**INSTALLATION AND WARRANTY** 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.

This technical data sheet was written by Havwoods International. At the time of writing and publication of the sheet, all information is specified correctly. The company reserves the right to change the specifications of this product at any time without prior notice to third parties. The photographs used in the sheet are intended only as illustrations. No rights can be derived from them.

