



TECHNICAL DATA SHEET

HW3190 Willow

Design from Havwoods

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



PRODUCT DETAILS

Product Code	HW3190
Product Range	Design from Havwoods
Construction	Engineered
Specie	European Oak
Pattern	35° Plank Chevron
Process	Brushed
Finish	Oiled
Profile	Tongue & Groove
Edge Profile	4-Sided Bevelled Edge
Top Layer	3mm European Oak
Backing	Eucalyptus Plywood
Thickness	15mm
Width	305mm
Length	1672mm
Pack Size	2.04m ²
Grade	Rustic
Maintenance	Comprehensive maintenance instructions and materials are available from Havwoods for all floors.

INSTALLATION METHODS

Fully Bonded	Yes* (recommended)
Nailed	No
Floated on underlay	Yes*
Over Underfloor Heating	Yes*# (please see our UFH guidelines)

GRADING CRITERIA

Known as either natural or rustic grade this allows a virtually limitless size and number of knots. Heartwood will be used, there will be colour variation, sapwood and filler; you should expect checks (cracks across the growth ring) and possibly some end shake (cracks between the rings). The colour of the filler is carefully selected to compliment 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	67/45 PTV (CEN/TS 15676:2007)
Reaction to Fire Certification	Dfl-s1 (EN 13501-1:2007)
Thermal Conductivity	λ 0.14 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.

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.

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