



TECHNICAL DATA SHEET

HW3190 OAK WILLOW

DESIGN FROM HAVWOODS

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



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PRODUCT DETAILS

Product Code	HW3190
Product Range	Design From Havwoods
Construction	Engineered Preassembled Chevron Pattern Planks
Species	European Oak
Pattern	35° Chevron Pattern
Process	Brushed
Finish	Natural Oiled
Profile	Tongue and Groove
Edge Profile	Micro-Bevelled Edge
Top Layer	3mm European Oak Lamella
Backing	Eucalyptus Plywood
Thickness	15mm
Width	305mm
Length	1672mm
Grade	Rustic
Maintenance	Comprehensive maintenance instructions and materials are available from Havwoods Ltd. for all floors. Contact your Havwoods consultant on 1300 428 966.

INSTALLATION METHODS

Fully Bonded	Yes* (Recommended)
Nailed	No
Floated on underlay	Yes
Over Underfloor Heating	Yes*# (to be installed over Wet Underfloor Heating Systems only. Please see UFH Installation Guidelines for details)

GRADING CRITERIA

Rustic grade, also known as natural grade, 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.

NB: The product grading criteria is an approximation only. Please ask for details. Contact your Havwoods consultant on 1300 428 966.

TECHNICAL CRITERIA

Origin	Europe
Janka Hardness Rating	1,360 lbf (6,000N)
Formaldehyde Emission	E-1 (EN 717-1)
Pentachlorophenol Emission	< 5ppm
Slip Testing	NPD
Reaction to fire classification	Dfl-s1 (EN 13501-1:2007)
Thermal Conductivity	λ 0.14 W/mK (EN 12664)

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

Temperature of top-face must never be allowed to exceed 27° C. Under Floor Heating (UFH) protocol to control temperature conditions is recommended.

INSTALLATION AND WARRANTY

All Havwoods floors 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 standard worldwide.

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