



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	Oak
Pattern	35° Chevron Pattern
Process	Brushed
Finish	Natural Oiled Finish
Profile	Tongue & Groove
Edge Profile	4-Side Beveled Edge
Top Layer	3mm (1/8") European Oak Lamella
Backing	Eucalyptus Plywood
Thickness	15mm (5/8")
Width	305mm (12")
Length	1672mm (65 3/4")
Grade	Rustic
Maintenance	Comprehensive maintenance instructions and materials are available from Havwoods Ltd. for all floors

INSTALLATION METHODS

Fully Bonded	Yes *
Nailed/Screwed	No
Floated on Underlay	Yes *
Over Underfloor Heating	Yes #

GRADING CRITERIA

Maximum Size of Sound Knots	Allowed ≤ 15mm (5/8") Ø
Maximum Size of Broken Knots	Allowed ≤ 10mm (3/8") Ø
Filled Defects	Allowed
Heart/Pith	Not Allowed
Sapwood	Allowed ≤ 20% of plank
End Checks	Allowed ≤ 50mm (2") & filled
Insect damage	Not Allowed
Filler	Allowed
Color Variation	Allowed
Small Cracks	Allowed
Inner Bark	Not Allowed

NB: The product grading criteria is an approximation. Please ask for details

TECHNICAL CRITERIA

Origin	China
Responsible Certification	Please ask for assistance
Janka Hardness Rating	1,360 lbf (6,000N)
Formaldehyde Emission	E1/0.01 ppm - CARB 2 compliant
Pentachlorophenol Emission	PCP free
Slip Testing	TBC
Reaction to Fire Classification	Dfl s1
Biological Durability	Class 2

* 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 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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