



## TECHNICAL DATA SHEET

### HW691 OAK NATURE UNFINISHED

#### DESIGN FROM HAVWOODS

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



The photographs used in this sheet are intended only as illustrations, colours shown are only as accurate as the printing process or device screen will allow. Due to the size of this photograph, it does not provide any indication of grading. Please refer to our separate grading rules. No rights can be derived from them.

#### PRODUCT DETAILS

Product Code	HW691
Product Range	Design From Havwoods
Construction	Engineered
Species	European Oak
Pattern	Herringbone Pattern
Process	Sanded
Finish	Unfinished
Profile	Tongue and Groove
Edge Profile	Micro-bevelled Edge
Top Layer	3mm European Oak Lamella
Backing	Multi-layered Plywood
Thickness	14.5mm
Width	120mm
Length	600mm
Grade	Select
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	No
Over Underfloor Heating	Yes*# (to be installed over Wet Underfloor Heating Systems only. Please see UFH Installation Guidelines for details)

#### GRADING CRITERIA

Select grade, allows slightly more knots than that of prime grade. Heartwood and colour variation in the timber should be expected and there may be some checks (cracks across the growth ring), sapwood and filler. 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	China
Janka Hardness Rating	1,360 lbf (6,000N)
Formaldehyde Emission	0.044 EN 717-1;2004
Pentachlorophenol Emission	< 5ppm (CEN/TR 14823)
Slip Testing	Not assessed as unfinished
Critical Heat Flux (CHF) Mean	4.1 kW/m <sup>2</sup>

\* 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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