



TECHNICAL DATA SHEET

HW820 Proteus

ULTRA from Havwoods

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



PRODUCT DETAILS

Product Code	HW820
Product Range	ULTRA from Havwoods
Construction	Engineered
Specie	European Oak (Quercus Robur)
Pattern	1-Strip
Process	Sanded
Finish	Matt Lacquered
Profile	Click system
Edge Profile	Bevelled
Top Layer	0.6mm (Quercus Robur)
Backing	10.4mm HDF ()
Thickness	11mm
Width	273mm
Length	2379mm (May include up to 25% shorter boards)
Pack Size	2.12m ²
Grade	Character
Maintenance	Comprehensive maintenance instructions and materials are available from Havwoods for all floors.

INSTALLATION METHODS

Fully Bonded	Yes*
Nailed	No
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	FSC® Certified (FSC-C009500)
Janka Hardness Rating	1,120 lbf (4,980N)
Formaldehyde Emission	E1 (EN717-1)
Pentachlorophenol Emission	< 5ppm (CEN/TR 14823)
Slip testing	95/39 PTV (CEN/TS 15676)
Reaction to Fire Certification	Bfl-s1 (EN13501-1)
Thermal Conductivity	< 0.16 W/m K

* 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 either 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.

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