



TECHNICAL DATA SHEET

HW820 Proteus

ULTRA from Havwoods

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



The above image is a finished product and should only be used as a design match.

PRODUCT DETAILS

Product Code	HW820
Product Range	ULTRA from Havwoods
Construction	Engineered
Specie	European Oak
Pattern	1-Strip
Process	Sanded
Finish	Matt Lacquered
Profile	Click system
Edge Profile	Bevelled
Top Layer	0.6mm
Backing	10.4mm
Thickness	11mm (3/8")
Width	273mm (10 3/4")
Length	2379mm (93 5/8")
Pack Size	2.12m ² (22.82ft ²)
Grade	Character
Maintenance	Comprehensive maintenance instructions and materials are available from Havwoods for all floors.

INSTALLATION METHODS

Glue Down	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	BLQ ppm - TSCA VI Compliant
Slip testing	NPD
Critical Radiant Flux	Class I - ASTM E 648
Thermal Conductivity	R < 0.10 (m ² xK)/W



* 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/80°F. 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 NWFA standards or equivalent standards worldwide.

© This technical data sheet was written by Havwoods International. At the time of writing and publication of the sheet, all information is specified correctly. The company reserves the right to change the specifications of this product at any time without prior notice to third parties. The photographs used in this sheet are intended only as illustrations. No rights can be derived from them.

Havwoods International (North America);
151 W 18th St, New York, NY 10111, USA
Tel: 1 844 808 9663 (WOOD)

Info@havwoodsusa.com

www.havwoodsusa.com