



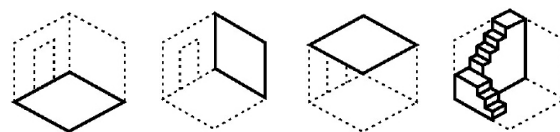
Technical Data Sheet

Version 1.0

HW690

European Oak

H Collection



Specification

| | |
|----------------------|--|
| Pattern | Herringbone |
| Construction | Multi Layered Engineered |
| Top Layer Specie | European Oak (<i>Quercus robur</i>) |
| Surface Process | Sanding Required** |
| Finish | Unfinished |
| Connection System | Tongue & Groove |
| Edge Profile | 4-Sided Bevelled Edge |
| Backing | Eucalyptus Plywood (<i>Eucalyptus grandis</i>) |
| Wear Layer Thickness | 3mm |
| Total Thickness | 14.5mm |
| Width | 120mm |
| Length | 600mm |
| Pack Size | 1.44m ² |
| Grade | Select |

Key:

^ Please note that this is a smoked/ fumed product. This reactive process will typically generate a wider range of colour variation in the product.

** This product may require on-site sanding prior to applying a suitable finish

‡ Pack lengths will vary between the specified minimum and maximum lengths depending upon stock availability.

* 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 Methods

| | |
|-------------------------|---|
| Fully Bonded | Yes* (recommended) |
| Nailed/Screwed | No |
| Floated on Underlay | No |
| Over Underfloor Heating | Yes*# (Please ask for our technical guidelines) |

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.

Grading Criteria

| | |
|------------------|----------------------------------|
| Sound Knots | Up to 20mm allowed |
| Broken Knots | Up to 10mm allowed (3 per board) |
| Filled Defects | Not allowed |
| Heart/Pith | Not allowed |
| Sapwood | Not allowed |
| End Checks | Not allowed |
| Insect Damage | Not allowed |
| Filler | Allowed |
| Colour Variation | Allowed |
| Small Cracks | Not allowed |
| Inner Bark | Not allowed |

N.B. The product grading criteria is inspected at each mill visually and should be taken as an approximation only.

Technical Criteria

| | |
|---------------------------------|----------------------------|
| Origin | Asia |
| Janka Hardness Rating | 1,120 lbf (4,980N) |
| Formaldehyde Emissions | E1 (EN717-1) |
| Pentachlorophenol Emissions | < 5ppm (CEN/TR 14823) |
| Slip Testing | Not assessed as unfinished |
| Reaction to Fire Classification | Dfl-s1 (EN 13501-1:2007) |
| Thermal Conductivity | 0.15 W/m K (EN 12664) |



HAVWOODS

For More Information
Contact Our Experienced Team:

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Comprehensive maintenance instructions and materials are available from Havwoods for all floors.



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