



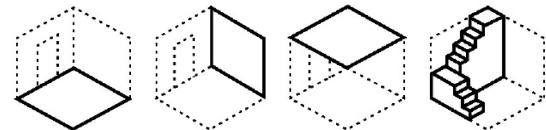
Technical Data Sheet

Version 2.1

HW6408

Espresso

H Collection



Specification

Pattern	Herringbone
Construction	Multi-layered engineered
Top Layer Specie	European oak (Quercus robur)
Surface Process	Brushed
Finish	Matt lacquered
Connection System	Tongue & groove
Edge Profile	4-Sided bevelled edge
Backing	Eucalyptus plywood (Eucalyptus grandis)
Wear Layer Thickness	3mm
Total Thickness	14mm
Width	70mm
Length	280mm
Pack Size	0.6272m ²
Grade	Character



Key

* 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	Unlimited
Broken Knots	Up to 25mm allowed
Filled Defects	Allowed
Heat/Pith	Trace
Sapwood	Up to 30% of the surface
End Checks	Allowed
Insect Damage	Not allowed
Filler	Allowed
Colour Variation	Allowed
Small Cracks	Allowed
Inner Bark	Not allowed
Modullary Rays	Allowed

N.B. The product grading criteria is inspected at each mill visually and should be taken as an approximation only. To allow for unavoidable variations in the material characteristics, 3% of materials may vary from the stated range.

Technical Criteria

Origin	Asia
Certification	FloorScore®
Janka Hardness Rating	1,120 lbf (4,980N)
Formaldehyde Emissions	E1 (EN 717-1)
Pentachlorophenol Emissions	< 5ppm (CEN/TR 14823)
Reaction to Fire Classification	Cfl-s1 (EN 13501-1:2007)
Slip Testing	50/30 PTV (CEN/TS 15676:2007)
Thermal Conductivity	λ 0.15 W/m K (EN 12664)



HAVWOODS

**For More Information
Contact Our Experienced Team:**

Tel: +44 (0)1524 737 000 | Fax: +44 (0)1524 737 001
Email: info@havwoods.com

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



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