



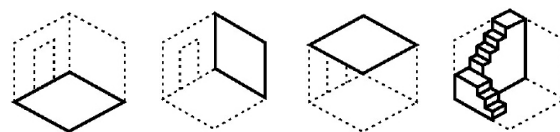
Technical Data Sheet

Version 1.0

HW9604

Bergen

Henley



Specification

Pattern	Plank
Construction	Multi Layered Engineered
Top Layer Specie	European Oak (<i>Quercus robur</i>)
Surface Process	Heavy Brushed & Smoked [^]
Finish	UV Oiled
Connection System	Tongue & Groove
Edge Profile	2-Sided Bevelled Edge
Backing	Eucalyptus Plywood (<i>Eucalyptus grandis</i>)
Wear Layer Thickness	3mm
Total Thickness	14mm
Width	235mm
Length	2200mm (May include up to 25% shorter boards)
Pack Size	2.068m ²
Grade	Rustic



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*# (water-fed systems only)

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 60mm allowed
Broken Knots	Up to 50mm Ø allowed
Filled Defects	Half-filled
Heart/Pith	Allowed
Sapwood	Up to 125mm wide
End Checks	Up to 10mm wide & 600mm long
Insect Damage	Allowed
Filler	Allowed
Colour Variation	Allowed
Small Cracks	Up to 5mm wide & 600mm long
Inner Bark	Allowed
Modullary Rays	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	Europe
Certification	FSC® Certified (FSC-C009500)
Janka Hardness Rating	1,120 lbf (4,980N)
Formaldehyde Emissions	E1 (EN717-1)
Pentachlorophenol Emissions	< 5ppm (CEN/TR 14823)
Slip Testing	54/31 PTV (CEN/TS 15676:2007)
Reaction to Fire Classification	Cfl-s1 (EN13501-1:2007)
Thermal Resistance	0.13 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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