



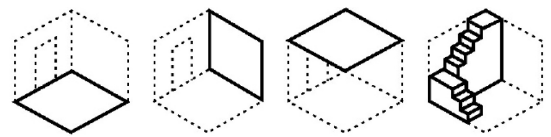
# Technical Data Sheet

Version 2.0

HW4310

## Amalgama

Venture Plank



### Specification

Pattern	Plank
Construction	Multi-layered engineered
Top Layer Specie	European oak ( <i>Quercus robur</i> )
Surface Process	Sanded & light smoked <sup>^</sup>
Finish	UV oiled
Connection System	Tongue & groove
Edge Profile	2-sided bevelled edge
Backing	Birch plywood ( <i>Betula</i> spp.)
Wear Layer Thickness	4mm
Total Thickness	13mm
Width	180mm
Length	1800-2400mm (May include up to 25% shorter boards)
Pack Size	1.08-1.51m <sup>2</sup>
Grade	Prime



The mark of responsible forestry

### Key

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

\* 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	Yes*
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 10mm Ø allowed
Broken Knots	Up to 5mm Ø allowed
Filled Defects	Allowed
Heat/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
Medullary 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	Europe
Certification	FSC® Certified (FSC-C009500)
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)
Slip Testing	63/38 PTV (CEN/TS 15676:2007)



# HAVWOODS

## For More Information Contact Our Experienced Team:

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

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



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