

# Technical Data Sheet

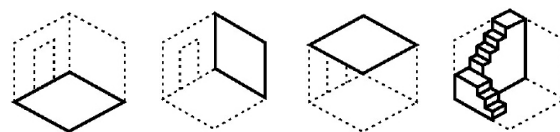
Version 1.0



HW4132

## Gladesville

### H Collection



#### Specification

Pattern	Plank
Construction	Multi Layered Engineered
Top Layer Specie	European Oak ( <i>Quercus robur</i> )
Surface Process	Brushed
Finish	Matt Lacquered
Connection System	Tongue & Groove
Edge Profile	4-Sided Bevelled Edge
Backing	Eucalyptus/Poplar Plywood ( <i>Eucalyptus grandis</i> )
Wear Layer Thickness	4mm
Total Thickness	18mm
Width	125mm
Length	600–1200mm (May include up to 25% shorter boards)
Pack Size	1.2m <sup>2</sup>
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	Yes*
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	Unlimited
Broken Knots	Up to 40mm Ø allowed
Filled Defects	Allowed
Heart/Pith	Allowed
Sapwood	Allowed
End Checks	Allowed
Insect Damage	Allowed
Filler	Allowed
Colour Variation	Allowed
Small Cracks	Allowed
Inner Bark	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	79/34 PTV (CEN/TS 15676:2007)
Reaction to Fire Classification	Cfl-s1 (EN 13501-1)
Thermal Conductivity	0.16 W/mK (EN ISO 10456:2007/AC:2009)



# HAVWOODS

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



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