



# Technical Data Sheet

Version 1.1

HW16114

## Alabastro

### Italian Collection



#### Specification

|                      |  |
|----------------------|--|
| Pattern              | Plank  |
| Construction         | 2-Layered Engineered                               |
| Top Layer Specie     | European Oak ( <i>Quercus robur</i> )              |
| Surface Process      | Brushed  |
| Finish               | Matt Lacquered                                     |
| Connection System    | Tongue & Groove                                    |
| Edge Profile         | 2-Sided Bevelled Edge                              |
| Backing              | Pine ( <i>Pinus</i> spp.)                          |
| Wear Layer Thickness | 4mm  |
| Total Thickness      | 11mm   |
| Width                | 190mm  |
| Length               | 1700–2000mm (May include up to 25% shorter boards) |
| Pack Size            | TBC  |
| 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 15mm Ø allowed |
| Broken Knots     | Not allowed          |
| 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     | 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.

## Technical Criteria

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Origin                          | Europe                            |
| Certification                   | PEFC™ Certified (PEFC/16-37-1417) |
| Janka Hardness Rating           | 1,120 lbf (4,980N)                |
| Formaldehyde Emissions          | E1 (EN717-1)                      |
| Pentachlorophenol Emissions     | < 5ppm (CEN/TR 14823)             |
| Slip Testing                    | 65/20 PTV (BS7976-2)              |
| Reaction to Fire Classification | Cfl-s1 (EN13501-1)                |
| Thermal Conductivity            | 0.19 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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