



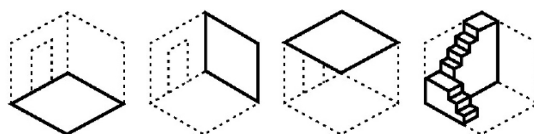
## Technical Data Sheet

Version 2.0

HW16056

### Nebbiolo

### Italian Collection



#### Specification

|                      |                                    |
|----------------------|------------------------------------|
| Pattern              | Herringbone block                  |
| Construction         | 2-layered engineered               |
| Top Layer Specie     | European oak (Quercus robur)       |
| Surface Process      | Brushed & deep smoked <sup>^</sup> |
| Finish               | UV oiled                           |
| Connection System    | Tongue & groove                    |
| Edge Profile         | 4-sided bevelled edge              |
| Backing              | Spruce (Picea spp.)                |
| Wear Layer Thickness | 4mm                                |
| Total Thickness      | 11mm                               |
| Width                | 70mm                               |
| Length               | 490mm                              |
| Pack Size            | 4.12m <sup>2</sup>                 |
| Grade                | Prime                              |



#### 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     | 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 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          |
| 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                          | Europe                                                      |
| Certification                   | PEFC™ Certified (PEFC/16-37-1417), Indoor Air Comfort Gold® |
| Janka Hardness Rating           | 1,120 lbf (4,980N)                                          |
| Formaldehyde Emissions          | E1 (EN 717-1:2006)                                          |
| Pentachlorophenol Emissions     | < 5ppm (CEN/TR 14823)                                       |
| Reaction to Fire Classification | Cfl-s1 (EN 13501-1)                                         |
| Slip Testing                    | 63/51 PTV (BS7976-2)                                        |
| Thermal Conductivity            | λ 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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