



## Technical Data Sheet

Version 2.0

HW16156

# Nebbiolo

## Italian Collection



### Specification

|                      |  |
|----------------------|--|
| Pattern              | Plank  |
| Construction         | Multi-layered engineered                           |
| Top Layer Specie     | European oak ( <i>Quercus robur</i> )              |
| Surface Process      | Brushed & deep 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      | 10mm   |
| Width                | 190mm  |
| Length               | 1600-2400mm (May include up to 25% shorter boards) |
| Pack Size            | TBC  |
| 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          |
| 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), 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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