



## Technical Data Sheet

Version 2.0

HW88128

# Quadro

## Colossal



### Specification

|                      |                                |
|----------------------|--------------------------------|
| Pattern              | Plank                          |
| Construction         | Multi-Layered Engineered       |
| Top Layer Specie     | European Oak (Quercus robur)   |
| Surface Process      | Flat Surface                   |
| Finish               | UV Oiled                       |
| Connection System    | Tongue & Groove                |
| Edge Profile         | 4-Sided Bevelled Edge          |
| Backing              | Birch Plywood (Betula pendula) |
| Wear Layer Thickness | 4-6mm                          |
| Total Thickness      | 19mm                           |
| Width                | 280-480mm                      |
| Length               | 2000-3900mm (Random Lengths)   |
| Pack Size            | Various                        |
| Grade                | Rustic                         |


The mark of  
responsible forestry

### Key

\* 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     | 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      | Unlimited Ø allowed                                                |
| Broken Knots     | Up to 50mm Ø allowed                                               |
| Filled Defects   | Allowed                                                            |
| Heart/Pith       | Allowed                                                            |
| Sapwood          | Up to 10% of the width allowed (in 10% of board, max 10% of width) |
| End Checks       | 50% of board allowed (Max 5mm open)                                |
| Insect Damage    | Not allowed                                                        |
| Filler           | Allowed                                                            |
| Colour Variation | Allowed                                                            |
| Small Cracks     | Up to 4mm open allowed, max length up to width of board            |
| 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                   | FSC® Certified (FSC-C009500), Indoor Air Comfort Gold® |
| 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                    | 82/42 PTV (CEN/TS 15676:2007)                          |
| Thermal Conductivity            | λ 0.17 W/m K (EN 12664)                                |



# 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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