



## TECHNICAL DATA SHEET

### HW88101 RYDER

#### HAVWOODS SIGNATURE COLLECTION - HAND GRADE PREMIER

USAGE: SEE HAVWOODS QUICK REFERENCE GUIDE TO CHOOSING THE CORRECT FLOOR.



The photographs used in this sheet are intended only as illustrations, colours shown are only as accurate as the printing process or device screen will allow. Due to the size of this photograph, it does not provide any indication of grading. Please refer to our separate grading rules. No rights can be derived from them.

#### PRODUCT DETAILS

|               |   |
|---------------|---|
| Product Code  | HW88101   |
| Product Range | Havwoods Signature collection - Hand Grade Premier  |
| Construction  | Engineered  |
| Species       | European Oak  |
| Pattern       | 1-Strip   |
| Process       | Flat Surface  |
| Finish        | UV Oiled  |
| Profile       | Tongue & Groove   |
| Edge Profile  | 4-Sided Bevelled Edge   |
| Top Layer     | 4-6mm European Oak  |
| Backing       | Birch Plywood   |
| Thickness     | 19mm  |
| Width         | 280-480mm   |
| Length        | 2000-3900mm (May include up to 25% shorter boards)  |
| Grade         | Rustic  |
| Maintenance   | Comprehensive maintenance instructions and materials are available from Havwoods Ltd. for all floors. Contact your Havwoods consultant on 1300 428 966. |

#### INSTALLATION METHODS

|                         |   |
|-------------------------|---|
| Fully Bonded            | Yes* (recommended)                              |
| Nailed                  | Yes*  |
| Floated on underlay     | No  |
| Over Underfloor Heating | Yes*# (Please ask for our technical guidelines) |

#### GRADING CRITERIA

Known as either natural or rustic grade this allows a virtually limitless size and number of knots. Heartwood will be used, there will be colour variation, sapwood and filler; you should expect checks (cracks across the growth ring) and possibly some end shake (cracks between the rings). The colour of the filler is intended to complement the natural structure of the wood, where features such as knots are in contrast to the surrounding timber, and it may vary from batch to batch.

NB: The product grading criteria is an approximation only. Please ask for details. Contact your Havwoods consultant on 1300 428 966.

#### TECHNICAL CRITERIA

|  |                               |
|--|-------------------------------|
| Origin                                   | Europe                        |
| Sustainability                           | FSC® Certified                |
| Janka Hardness Rating                    | 1,120 lbf (4,980N)            |
| Formaldehyde Emission                    | E1 (EN717-1)                  |
| Pentachlorophenol Emission               | < 5ppm (CEN/TR 14823)         |
| Slip Testing                             | 82/42 PTV (CEN/TS 15676:2007) |
| European reaction to fire classification | Cfl-s1 (EN13501-1)            |
| Thermal Conductivity                     | λ 0.17 W/m K (EN 12664)       |

\* Subject to compatible subfloor and correct installation (see Installation Guidelines) including sensors.

\*\* This product may require on-site sanding prior to applying a suitable finish

# Temperature of top-face must never be allowed to exceed 27° C. Under Floor Heating (UFH) protocol to control temperature conditions is recommended.

#### INSTALLATION AND WARRANTY

All Havwoods floors 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 standard worldwide.

© This technical data sheet was written by Havwoods Limited, Carnforth Business Park, Oakwood Way, Carnforth Lancashire LA5 9FD. At the time of writing and publication of the sheet, all information is specified correctly. The company reserves the right to change the specifications of this product at any time without prior notice to third parties. The photographs used in this sheet are intended only as illustrations, colours shown are only as accurate as the printing process or device screen will allow. No rights can be derived from them.

#### HAVWOODS BRISBANE SHOWROOM

2/36 Doggett Street  
Newstead, QLD 4006

#### HAVWOODS SYDNEY SHOWROOM

28 Margaret Street  
Sydney CBD, NSW 2000

#### HAVWOODS MELBOURNE SHOWROOM

9-11 Claremont Street  
South Yarra VIC 3141

#### HAVWOODS NEWCASTLE SHOWROOM

150 King Street  
Newcastle, NSW 2300

1300 428 966 | [info@havwoods.com.au](mailto:info@havwoods.com.au)

[www.havwoods.com.au](http://www.havwoods.com.au)

