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**Product Details**

Product Code	HW16404
Product Range	The Italian Collection
Construction	Multi-Layered Engineered
Species	European Oak (Quercus Robur)
Pattern	1-Strip
Process	Brushed
Finish	Matt Lacquered
Profile	Tongue & Groove
Edge Profile	Micro-Bevelled Edge
Top Layer	4mm European Oak (Quercus Robur)
Backing	Birch Plywood (Betula spp.)
Thickness	10mm
Width	120mm
Length	1000-1400mm (Packs may contain split lengths, with up to 25% shorter boards. These may be half or 1/3 lengths)
Pack Size	1.44/1.73/2.02m <sup>2</sup>
Grade	Classic
Maintenance	Comprehensive maintenance instructions and materials are available from Havwoods for all floors.

**Installation Methods**

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

**Grading Criteria**

Known as either select or classic grade, typically this will have a mix of almost prime boards with other planks which have more knots. Slightly larger knots are allowed in this grade. Heartwood and colour variation in the timber should be expected and there may be some checks (cracks across the growth ring), sapwood and filler. 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 (FSC-C009500)
Janka Hardness Rating	4.98 kN
Formaldehyde Emission	E1 (EN 717-1)
Pentachlorophenol Emission	< 5ppm (CEN/TR 14823)
Slip Testing	P2 (AS 4586)
Reaction to Fire Certification	AS ISO 9239.1-2003 – 4.1 kW/m <sup>2</sup>
Thermal Conductivity	λ 0.19 W/m K (EN 12664)



^ 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.

\*\* 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.

‡ Pack lengths will either be 1950mm or 2400mm dependent upon stock availability.

**Installation and Warranty:** 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.

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