



## TECHNICAL DATA SHEET

### BP1189 Santana

#### Boutique

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



#### PRODUCT DETAILS

Product Code	BP1189
Product Range	Boutique
Construction	Engineered
Specie	European Oak(Quercus Robur)
Pattern	1-Strip
Process	Brushed & Stained
Finish	Matt Lacquered
Profile	Click System
Edge Profile	4-Sided Bevelled Edge
Top Layer	2.5mm European Oak(Quercus Robur)
Backing	Pine Plywood(Pinus Sylvestris)
Thickness	14mm
Width	180mm
Length	1800mm
Pack Size	2.27m <sup>2</sup>
Grade	Classic
Maintenance	Comprehensive maintenance instructions and materials are available from Havwoods for all floors.

#### INSTALLATION METHODS

Fully Bonded	Yes*
Nailed	No
Floated on underlay	Yes* (no underlay required)
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.

N.B. The product grading criteria is inspected at each mill visually and should be taken as an approximation only. Please ask for further details

#### TECHNICAL CRITERIA

Origin	Europe
Responsible Certification	FSC® Certified (FSC-C009500)
Janka Hardness Rating	1,360 lbf (4,980N)
Formaldehyde Emission	E1 (EN 717-1:2006)
Pentachlorophenol Emission	< 5ppm (CEN/TR 14823)
Slip testing	57/28 PTV (CEN/TS 15676:2007)
Reaction to Fire Certification	Dfl-s1 (EN 13501-1)
Thermal Conductivity	λ 0.13 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. UFH protocol to control temperature conditions is recommended.

‡ Pack lengths will either 1950mm or 2400mm dependant 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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