



# NORMANDY OAK

HERITAGE COLLECTION

189 X 20/6 X 2200MM

## ENGINEERED PRODUCT SPECIFICATION DATASHEET

PRODUCT DESIGN	INFORMATION
Board Size	189 x 20 x 2200mm
Product Code	D1411020
Species	European Oak (Quercus Petraea)
Floor Type	Multi-Layer European Oak
Construction	Engineered Plank
Top Layer	6mm
Surface Finish	Matt varnished / lacquered
Treatment	Invisible oiled
Installation Profile	Tongue and Groove
Box Quantity (Boards per pack)	5 boards per pack (1 nested row possible per pack)
Pack Size	2.08m <sup>2</sup>

GRADING CRITERIA	INFORMATION
Grade	Universal - Contains a mixture of prime, nature and rustic/character grading. Different species will have different characteristics e.g European oak grading tends to include its fair share of knotting so there will be a more limited amount of prime/nature boards within universal grading. The boards will contain both heartwood and sapwood and have a degree of natural colour variation as a result. Sapwood of up to 30% of the face area is allowable. Knots are filled to match the natural timber however may vary between boards and batches.
Filler	Allowed (All defects will be filled – small outbroken surface defects can occur)
Putty Colour	Dark Brown
Moisture Content	8% (+/-2%)
Gloss Level	5% (+/-3%)
Core	Poplar / Eucalyptus plywood
Bevel	4 sided micro bevel
Board Length	+/- 2.0mm
Board Width	+/- 0.5mm
Board Thickness	+/- 0.3mm
Bow (length) (max)	10mm per linear metre
Weight	590kg/m <sup>3</sup>

TECHNICAL	INFORMATION
Slip	Dry : 66 Wet : 21 to BS7976-2
Thermal Conductivity	$\lambda = 0.17 \text{ W/mk}$
Thermal Insulation Value	$R = 0.123\text{m}^2 \text{ k/w}$
Class of Reaction to Fire	Cfl – S1
Brinell Hardness	Average HB 3.7
European Standard	EN 14342:2005 Wood flooring, EN 12524:2000 Building materials
Formaldehyde Emission	E1
CE marking / DOP	DOP WD_LF_005 Available on request with our office or can be downloaded on <a href="http://www.wrg.ie">www.wrg.ie</a>
EUTR	Responsibly sourced under EUTR regulations.

INSTALLATION & STORAGE	INFORMATION
Installation	Floating, glue down or nail down installation. Please refer to the Whiteriver Installation instructions included in each carton. Also available on <a href="http://www.wrg.ie">www.wrg.ie</a>
Underfloor Heating	Yes (water systems only) please ensure to follow manufacturing instructions.
Warranty	20 year structural warranty.
Usage	Indoor use only.
Storage	Store flat & on a stable surface. Place product in the room at least 72 hours before installation to allow for acclimatisation.
Air Humidity	40 - 60%

## FLOOR CARE & MAINTENANCE

### Room Conditions:

Timber likes pleasant room conditions similar to humans: A room temperature of 20° and humidity of about 50%. The recommended range for timber flooring should be 18-22° and humidity 40-60%. A humidity controller may be required. All rooms which have timber flooring should ideally be maintained at the above. For underfloor heating the surface temperature of the wood surface should not exceed 26°celsius.

### Protecting your floor:

To preserve quality and beauty of your floor we recommend you use protective pads and caster cups under chairs and furniture legs. If there is a door leading outside from the room where you have installed your hardwood flooring, use a door mat to catch the dirt and absorb the humidity. Never use a rubber matt, with styrofoam or plastic backing. If you must move heavy pieces of furniture (e.g. refrigerator, piano, etc.), never slide them directly over the flooring. Instead, place a piece of carpet facedown between the legs and the flooring and pull the carpet to move the furniture. The floor should be monitored every 2-3 months to inspect the conditions of the surface.

*Please refer to the Floor Care and Maintenance sheet included in each pack or alternatively visit [www.wrg.ie](http://www.wrg.ie) for full care guidelines on caring for your floor correctly.*

## INSTALLATION & WARRANTY

All Whiteriver floors must be installed by a professional approved installer who has the necessary skills and will take each site circumstance into consideration. Our warranty is only valid on floors which have been installed by an approved flooring installer to BS8201. All floors must be installed as per our installation instructions. (Available on [www.wrg.ie](http://www.wrg.ie))



*The grading image used in this datasheet is intended only as a guide of what the final product may look like. No rights can be taken from it. This technical data sheet was developed by Whiteriver Group, Cluide, Dunleer, Co Louth, Ireland, v. 2/22. At the time of issuing this datasheet, all information is correctly stated. The company reserves the right to update or amend the specifications of this product at any time without prior notice to third parties.*