



**Whiteriver**

wood for living

# CLIFDEN OAK

FOREST COLLECTION  
190 X 14 / 3 X 1900MM

## ENGINEERED PRODUCT SPECIFICATION DATASHEET

PRODUCT DESIGN	INFORMATION
Board Size	190 x 14 x 1900mm
Product code	D1012023
Species	European oak (Quercus Petraea)
Floor Type	Multi-layer European oak
Construction	Engineered
Top Layer	3mm
Surface finish	UV hardened oil
Treatment	Smooth sanded, smoked, old style rustic sunken filler
Profile	As per drawing
Box quantity	6 boards per pack (one nested row per pack)
Pack size	2.166m <sup>2</sup>

GRADING CRITERIA	INFORMATION
Grade	Vintage Grading: Quantity and size of knots will be significantly more evident in this grade. Maximum size of broken knots, 45mm. The boards will contain both heartwood and sapwood and have a higher degree of natural colour variation as a result. Allowable sapwood to be less 30% of the board width and less than 30% in volume. Growth ring and end crack defects will be more obvious and sunken filled to match the natural timber however may vary between boards and batches. Width of cracks 10mm maximum.
Filler	Allowed (All defects will be sunken filled)
Putty colour	Black
Moisture content	8-10%
Gloss level	10% (+/-5%)
Plywood	Poplar / Eucalyptus plywood
Bevel	Micro bevel on all 4 sides
Board length	+/-2.0mm
Board width	+/-0.2mm
Board thickness	+/-0.3mm
Bow (length) (max)	10mm per linear metre
Weight	590kg p/m <sup>3</sup>



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[www.wrg.ie](http://www.wrg.ie)

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TECHNICAL	INFORMATION
Slip	Dry: 66 Wet: 47 to BS7976-2
Thermal conductivity	$\lambda = 0.17\text{W/mk}$
Thermal insulation value	$R = 0.107\text{ m}^2\text{ k/w}$
Class of reaction to fire	Dfl - S1
Brinnell 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>
Warranty	20 year structural warranty
Usage	Indoor use only. Suitable for use over underfloor heating. Hot water systems 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 25°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 6-12 months to inspect the conditions of the surface.

*For further information please refer to the Floor Care and Maintenance manual included in the pack or alternatively visit [www.wrg.ie](http://www.wrg.ie)*

## 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, A92 V8YN. 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.*



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