



Whiteriver

wood for living

OAK MASSACIO

RENAISSANCE XL COLLECTION
280-480 X 20 X 2000-4000MM

ENGINEERED PRODUCT SPECIFICATION DATASHEET

PRODUCT DESIGN	INFORMATION
Board Size	280–480 x 20 x 2000–4000mm (random width/length)
Product Code	D1430003
Species	European Oak (Quercus Petraea)
Floor Type	Multi-Layer European Oak
Construction	Engineered (Top & bottom layer European Oak, Middle layer Birch plywood) Mixed length / width plank.
Top Layer	4mm
Surface Finish	UV hardened oil / wax
Treatment	Sanded, smoked, white oiled
Installation Profile	Tongue and Groove
Box Quantity (Boards per pack)	Varies (widths available 280,330,380,430,480mm) (lengths 2000-4000mm)
Pack Size	Varies

GRADING CRITERIA	INFORMATION
Grade	Rustic / Character : Quantity and size of knots will be significantly more evident in this grade. Maximum size of broken knots, 40mm. 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 than 20% of the board width and less than 20% in volume. Growth ring and end crack defects will be more obvious and filled to match the natural timber however may vary between boards and batches. End checks 4 x 200mm maximum.
Filler	Allowed (All defects will be filled – small outbroken surface defects can occur)
Putty Colour	Brown
Moisture Content	8% (+/-2%)
Gloss Level	6%(+/-2%)
Core	12mm WBP birch plywood layers on 4mm European oak base layer.
Bevel	1.7mm 4 sided bevel (G04)
Board Length	+/- 2mm
Board Width	+/- 1mm
Board Thickness	+/- 0.3mm
Bow (length) (max)	10mm per linear metre
Weight	800kg/m ³

TECHNICAL	INFORMATION
Slip	Dry : 61 Wet : 39 to BS7976-2
Thermal Conductivity	$\lambda = 0.12 - 0.14 \text{w/mk}$
Thermal Insulation Value	$R = 0.121 \text{m}^2 \text{ k/w}$
Class of Reaction to Fire	Cfl - S1
Brinnell Hardness	Average HB 3.7
European Standard	EN 14342:2005 Wood flooring, EN 12524:2000 Building materials
Formaldehyde Emission	E1
FSC Certification	Available on request with lead time
Origin	Europe
CE marking / DOP	DOP WD_LF_005 Available on request with our office or can be downloaded on www.wrg.ie
EUTR	Responsibly sourced under EUTR regulations.

INSTALLATION & STORAGE	INFORMATION
Installation	Glue down Installation only. Please refer to the Whiteriver Installation instructions included in each carton. Also available on www.wrg.ie
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 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)



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