



**Whiteriver**

wood for living

# OAK MARKANT SAND WHITE 4V BRUSHED

HARO 4000 PLAZA COLLECTION

240 X 13.5/3.5 X 2200MM

## ENGINEERED PRODUCT SPECIFICATION DATASHEET

PRODUCT DESIGN	INFORMATION
Board Size	240 x 13.5 x 2200mm
Product Code	D1015011 (Haro ID 536545)
Species	European Oak (Quercus Petraea)
Floor Type	3 Layer European Oak
Construction	Engineered Plank
Top Layer	3.5mm
Surface Finish	Brushed & Super Matt varnished / lacquered
Treatment	Stained, medium brushed
Installation Profile	Top connect 5G fold down glueless installation system.
Box Quantity (Boards per pack)	6 boards per pack (1 nested row possible per pack)
Pack Size	3.17m <sup>2</sup>

GRADING CRITERIA	INFORMATION
Grade	Nature Grading (Markant) : Contains some knots but less than universal grade, some sapwood and some colour variation. Maximum knot size is restricted to 35mm so it tends to have a calmer appearance than Universal grading. 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	7% (+/-2%)
Gloss Level	5% (+/-2%)
Core	Finger jointed spruce on softwood backing board.
Bevel	4 sided micro bevel
Board Length	+/- 1.0mm
Board Width	+/- 0.1mm
Board Thickness	+/- 0.3mm
Bow (length) (max)	10mm per linear metre
Weight	550kg/m <sup>3</sup>

TECHNICAL	INFORMATION
Slip	Dry : 44 Wet : 41 to BS7976-2
Thermal Conductivity	$\lambda = 0.123 \text{ W/mk}$
Thermal Insulation Value	$R = 0.110 \text{ m}^2 \text{ k/w}$
Class of Reaction to Fire	Dfl – S1
Brinell Hardness	Average HB 3.7
European Standard	EN 14342:2005 Wood flooring, EN 12524:2000 Building materials
Formaldehyde Emission	E1
FSC / PEFC Certification	PEFC
Origin	Europe
CE marking / DOP	DOP 113_HAMBERGER_PARKETT 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 or glue down installation. Please refer to the Haro 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	30 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))



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