

Winderen Collection

Technical Data Sheet · Engineered Wood Flooring · FSC Certified

European Oak · Plywood Core · Available in Plank, Herringbone & Chevron formats

1	SURFACE FINISH	Nanotechnology Lacquer / Lacquer / Natural Oil / Hard-Wax Oil
2	REAL WOOD LAYER	European Oak — various thicknesses (top layer 3.0 mm nominal)
3	PLYWOOD CORE	Moisture-resistant birch plywood — EN 636-1

FORMAT & DIMENSION SPECIFICATIONS

Format	Thickness	Width (mm)	Length (mm)
Plank	11 – 19 mm	90 / 120 / 140 / 180 / 220 / 250	Random lengths 500 – 2400
Herringbone	11 – 19 mm	90 / 120 / 140	Standard 600
Chevron 30° & 45°	11 – 19 mm	90 / 120 / 140	Standard 600

15mm 2-LAYER T&G PARQUET — DIMENSIONAL SPECIFICATIONS (EN 13.489:2018, EN 14.342:2018)

Specification	Nominal	Tolerance	Standard
Length (mm)	500 – 2400	+ 0.5 / – 0.5	EN 13.489:2018
Width (mm)	90 – 250	+ 0.0 / – 0.2	EN 13.489:2018
Overall thickness (mm)	15.0	+ 0.1 / – 0.1	EN 13.489:2018
Top layer thickness (mm)	3.0	+ 0.1 / – 0.1	EN 13.489:2018
Plywood thickness (mm)	12.0	+ 0.1 / – 0.1	EN 13.489:2018
Plywood	Moisture resistant	EN 636-1	—
Gap between adjacent boards	0.2 mm per 1000 mm	+ 0.1 / – 0.1	EN 13.489:2018
Squareness	< 0.1% of width	—	EN 13.489:2018
Spring	< 0.1% of length	—	EN 13.489:2018
Cup	< 0.2% of width	—	EN 13.489:2018
Gap between top layers of adjacent boards	< 0.1 mm	—	EN 13.489:2018
Distance tongue to surface (mm)	6.0	+ 0.1 / – 0.1	EN 13.489:2018
Distance groove to surface (mm)	6.0	+ 0.1 / – 0.1	EN 13.489:2018
Tongue thickness (mm)	4.0	+ 0.0 / – 0.2	EN 13.489:2018
Groove width (mm)	4.1	+ 0.1 / – 0.2	EN 13.489:2018
Tongue length (mm)	5.0	+ 0.1 / – 0.2	EN 13.489:2018
Groove depth (mm)	6.0	+ 0.3 / – 0.1	EN 13.489:2018
Bevel (when requested)	0.25 × 0.25	+ 0.1 / – 0.1	—
Moisture content of product (%)	7.0	+ / – 2	EN 13.489:2018

Test / Property	Standard / Reference	Result / Classification
FIRE PERFORMANCE		
Reaction to fire — standard finish	EN 13501-1:2018	C _{fl} -s1
Reaction to fire — enhanced lacquer finish *	EN 13501-1:2018	B _{fl} -s1 *
Critical heat flux (CHF/HF)	UNE-EN ISO 9239-1	9.65 kW/m ²
Light attenuation (smoke)	UNE-EN ISO 9239-1	51.53 % × min
Flame spread (little burner, Fs)	UNE-EN ISO 11925-2:21	≤ 150 mm — Complies
FORMALDEHYDE & EMISSIONS		
Formaldehyde emissions	EN 717-1	Class E1

Test / Property	Standard / Reference	Result / Classification
Indoor air emissions (VOC)	Fraunhofer WKI — DAKKS D-PL-11140-05	Tested — Complies
ACOUSTIC PERFORMANCE		
Footfall noise reduction	DIN EN ISO 10140-3	18 dB
SLIP RESISTANCE		
Slip resistance — lacquer finish (pendulum test)	UNE-CEN TS 15676:2008	PTV 98 (avg.)
Nano technology lacquer slip resistance	PTV classification	PTV 36+ (Class DS)
SUSTAINABILITY & CERTIFICATION		
Chain of custody certification	FSC-STD-40-004 V3-1 BV-COC-962048	FSC Certified
FSC certificate validity	Expiry: 19-12-2028	Active
Wood species sourcing	European oak — sourced directly from Europe	Responsible sourcing
Adhesive system	Polyurethane (not PVA) — suitable for UFH	Complies
GRADING		
Rustic	Up to 5 healthy/unhealthy knots per linear metre (max 30 mm). Filled splits/cracks ≤ 150 × 3 mm. Silver grain & mineral streaks ≤ 150 mm.	Available
Nature	Up to 3 healthy knots/lm (max 15 mm), 2 filled unhealthy knots/lm (max 15 mm). Silver grain & mineral streaks ≤ 50 mm. No holes, voids, splits, cracks or bark pockets.	Available
Select	Up to 2 healthy knots/lm (max 3 mm). No unhealthy knots, holes, voids, splits, cracks, bark pockets or mineral streaks. Silver grain, wood rays and heartwood allowed.	Available
INSTALLATION & SUITABILITY		
Installation method	Floating or fully bonded	Both options
Joint system	Tongue and groove (T&G;)	Complies
Underfloor heating	Hot water and electric UFH systems	Suitable
Suitability	Domestic and commercial applications	Both
Warranty	Floor Gallery warranty	25 Years
AVAILABLE SPECIES & FINISHES		
Primary species	European Oak (predominant)	Available
Additional species	Ash, Canadian Maple, American Black Walnut	Available on request
Lacquer finishes	Nanotechnology Lacquer, Standard Lacquer	Available
Oil finishes	Natural Oil, Hard-Wax Oil	Available
Colours	Over 200 colours available across all finish types	See colour guide

NOTES: All floors are manufactured on the same production lines ensuring consistent T&G;, colour and finish — all formats can be mixed within the same project. Polyurethane adhesive is used throughout (not PVA) ensuring full UFH compatibility. FSC Chain of Custody certificate BV-COC-962048 valid to 19-12-2028. * Bfl-s1 classification is achieved with an additional specialist lacquer treatment — please contact Floor Gallery to specify this option. Standard supply is Cfl-s1. Fire classification per EN 13501-1:2018 (AIDIMME report ref. 251.C.2307.047.EN.01, July 2023). Slip resistance PTV 98 average (TECNALIA report ref. 060622-a, June 2016). Due to natural variation in timber, actual colours may vary from samples. E&OE.;