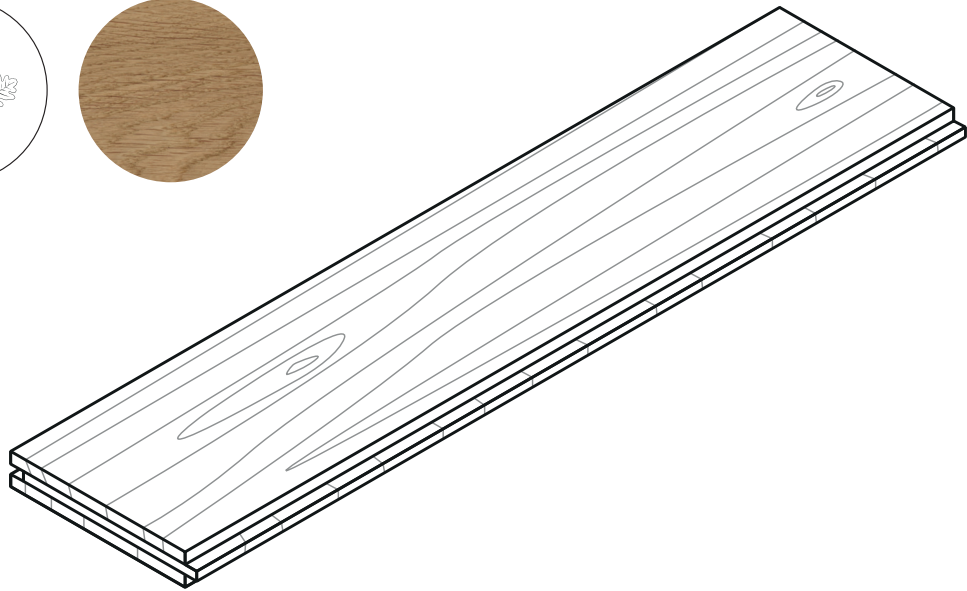


HIRAM

Habitat

PRODUCT DATA SHEET
EUROPEAN OAK
ENGINEERED BOARDS



GENERAL INFORMATION

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 - 1.1 Origin of our timber
 - 1.2 Our manufacturing process

PRODUCT INFORMATION

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General 1 Information

ORIGIN OF OUR TIMBER



- 1.1** Our oaks come mainly from the beautiful French forests. They are all grown exclusively in sustainably managed forests. An oak grows 120 to 200 years - until we select and process it.

OUR MANUFACTURING PROCESS

- 1.2** First of all, the wood is cut and air-dried. Each type of wood has its own drying time. The second drying phase takes place in state-of-the-art drying kilns, where the wood is dried down to the required residual moisture.
- Well seasoned, the boards reach our production facility to be crafted and processed. They are (pre-) planed and trimmed, defects are rejected, loose knots are glued, they are planed again and cut to final size. Knots and other irregularities are treated with a special filler and the surface is finally sanded.

Product 2 Information

Thickness x Widths	17/21 x 200 250 300 350 400 mm
Platform	4.5 mm top layer on 17 mm 5- 5.5 mm top layer on 21 mm
	Balanced cross-grain core & backing configuration in quarter- sawn coniferous wood for minimal shrinkage and expansion Optionally with hardwood backing
Length options	Room-length boards: 1- 15 m in 50 cm intervals Variable/random lengths: 1-5 m
Grading	URBAN CLASSIC or COUNTRY CLASSIC <i>*view 3.1 Grading descriptions</i>
Profiling	Longsides T&G – floorboards in room lengths
	Longsides T&G and G&G front and backside – floorboards in variable/random lengths
Pattern designs	Bespoke floor designs to fit floorplans/layouts. Various geometrical shaped patterns such as herringbone, chevron or tapered wide planks are possible.
Bevel	Optional Longsides with micro-bevel 1.5 mm or straight-edged
	Butt joints are straight-edged.
Wood moisture content	7 +-1 %
Knot filler	Colour adapted to wood species

Top layer	Sanded with 80 grit, without treatment
Surface treatment	Optional Brushed or fine-sanded, 100, 120 grit + lye, oils, floor soaps oxidatively drying <i>*view 3.2 Surface treatment</i>
Stress Group	D4
Brinell-hardness (N/mm²)	Top layer 20
Fire protection class	accord. to DIN EN 13501-1 → Dfl-s1
Thermal insulation resistance	Thickness 21 mm = 0.16 Thickness 17 mm = 0.13
Formaldehyde emission	Below detection level
Emission class	E1
Density (kg/m³)	Top layer 650
Installation	Full-surface glued or screwed down
Recommended glue	Stauf SMP 950
Underfloor heating	Possible with max. 27°C surface temperature

3 Surfaces

GRADING DESCRIPTIONS

3.1

URBAN CLASSIC

Our "Urban Classic" grading generally includes planks with fewer knots and occasional pinpoint knots. This grading creates a calm and elegant atmosphere in the room.

COUNTRY CLASSIC

Our "Country Classic" grading corresponds to a livelier knot and color variation in the wood, creating a more rustic and characterful look. In interior spaces, the "Country Classic" grading adds cozy warmth and charm.

RUSTIC CLASSIC

Our "Rustic Classic" grading contains large cracks and knots, which are filled by hand. The overall appearance of the wood evokes a sense of warmth and authenticity.

SURFACE TREATMENT

3.2

Oak offers a versatile canvas for your design choices. Whether sanded, brushed or rough- sawn, in dark or light tones, this wood showcases its unique character and imparts distinct room ambiance. Extra-white oiled oak planks exude a modern, timeless, and inviting aura, while dark brown oiled planks exude elegance. Soaped oak plank floors, too, exhibit timeless beauty.