

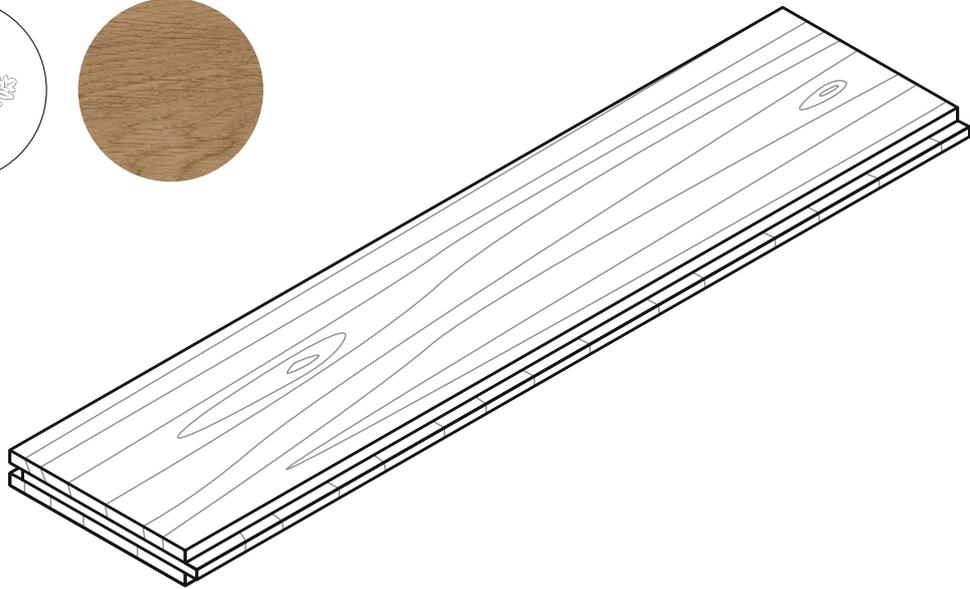
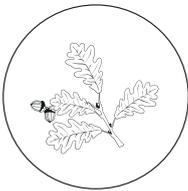


# HIRAM

## Habitat

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PRODUCT DATA SHEET  
OAK ENGINEERED BOARDS



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### GENERAL INFORMATION

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# General 1 Information



Hiram GmbH offers  
PEFC certified  
products  
PEFC/04-31-0049 www.pefc.co.uk

## 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.



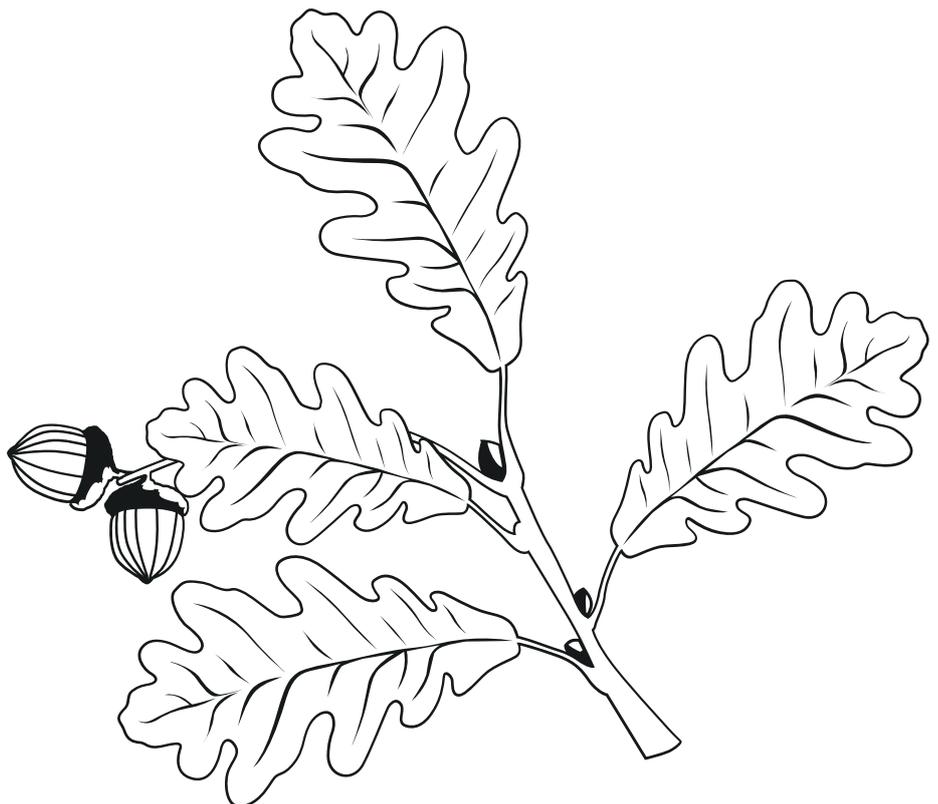
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## OUR MANUFACTURING PROCESS

### 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



<b>Thickness x Widths</b>	<u>Room-/ random-lengths:</u> 17/20/21 x 200   250   300   350   400 mm <u>System lengths:</u> 16/20 x 250   300 mm
<b>Platform</b>	<u>16 mm:</u> 3-4 mm top layer <u>17 mm:</u> 4,5 mm top layer <u>20/21 mm:</u> 5 mm top layer Core layer and backing made of softwood
<b>Length options</b>	<u>Room lengths:</u> 1-10 m, in 50 cm intervals <u>random-lengths:</u> 1-5 m, 85 % between 3-5 m, shorter lengths may occur <u>system lengths:</u> 2,95   3,95 m
<b>Grading</b>	URBAN CLASSIC, COUNTRY CLASSIC or RUSTIC CLASSIC <i>*view 3.1 Grading descriptions</i>
<b>Profiling</b>	<u>Room lengths:</u> long sides tongue & groves <u>random-lengths:</u> T & G on all four sides, for special dimensions or excess lengths and widths: G & G with loose tongue <u>System lengths:</u> T & G on all four sides
<b>Pattern designs</b>	Bespoke floor designs to fit floorplans/layouts. Various geometrical shaped patterns such as herringbone, chevron or tapered wide planks are possible.
<b>Bevel</b>	Optional Longsides with micro-bevel 1.5 mm or straight-edged Butt joints are straight-edged.
<b>Wood moisture content</b>	7 +/- 1 %
<b>Knot filler</b>	Colour adapted to wood species
<b>Top layer</b>	Sanded with 80 grit, without treatment
<b>Surface treatment</b>	Optional Brushed or fine-sanded, 100, 120 grit + lye, oils, floor soaps oxidatively drying <i>*view 3.2 Surface treatment</i>
<b>Stress Group</b>	D4
<b>Brinell-hardness (N/mm<sup>2</sup>)</b>	Top layer 20
<b>Fire protection class</b>	accord. to DIN EN 13501-1 → Dfl-s1
<b>Thermal insulation resistance</b>	Thickness 21 mm = 0.16   Thickness 17 mm = 0.13
<b>Formaldehyde emission</b>	Below detection level
<b>Emission class</b>	E1
<b>Density (kg/m<sup>3</sup>)</b>	Top layer 650
<b>Installation</b>	Full-surface glued or screwed down
<b>Recommended glue</b>	Stauf SMP 950
<b>Underfloor heating</b>	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.