

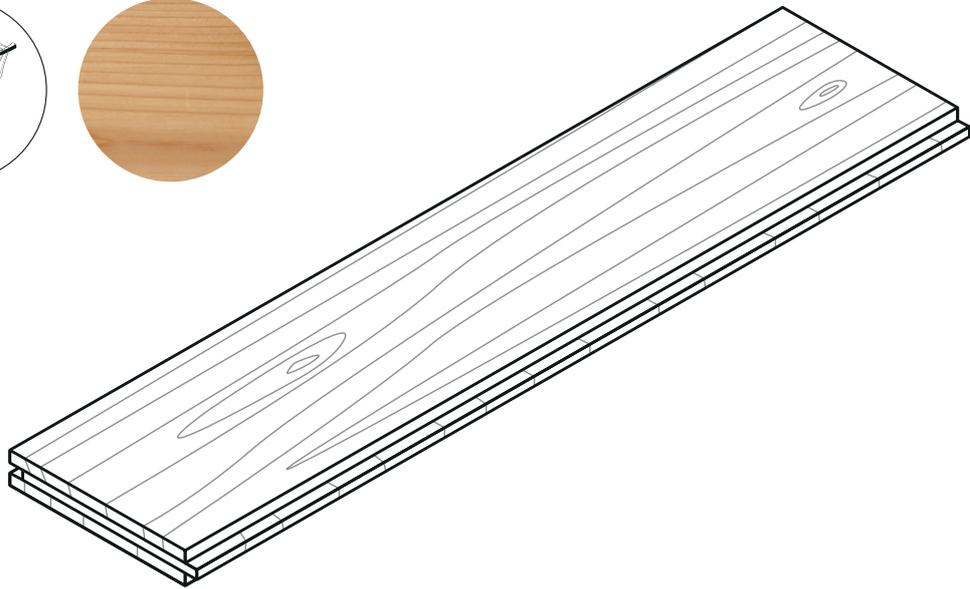


# HIRAM

## Habitat

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PRODUCT DATA SHEET  
DOUGLAS FIR  
ENGINEERED BOARDS



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# 1 General Information



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

## ORIGIN OF OUR TIMBER

### 1.1

Our Douglas firs come from our own homeland: the Black Forest. They are all grown exclusively in sustainably managed forests, for 80 to 120 years - until we select and process them. After felling, the tree trunks are processed into sawn timber and dried in our partner sawmills.

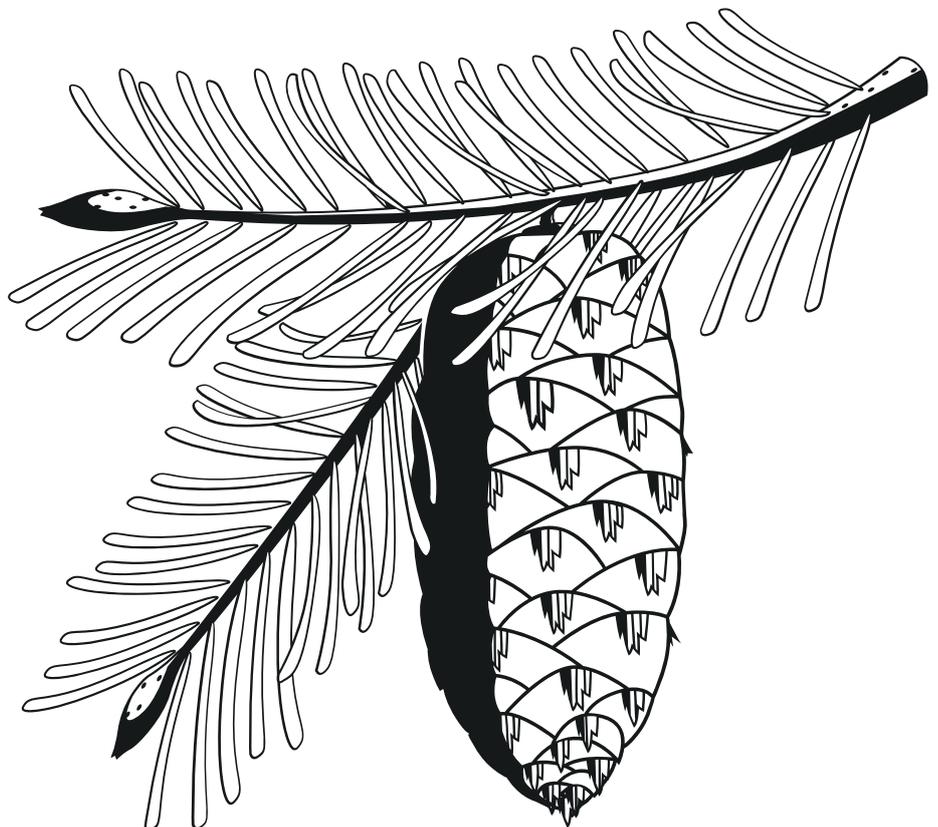


## THE MANUFACTURING PROCESS

### 1.2

First of all, the wood is 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 or COUNTRY CLASSIC <i>*view 3.1 Grading descriptions</i>
<b>Profiling</b>	<u>Room lengths:</u> long sides tongue & grooves <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>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 470
<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

##### COUNTRY CLASSIC

The natural grade has a healthy knot pattern with a higher number of slightly larger knots. Natural colour differences may occur, and knots or irregularities may be filled. The size of the knots depends on the type of wood and dimensions of the planks. In an interior, this grading creates character and a feeling of comfort.



##### URBAN CLASSIC

This assortment contains almost knot-free to small-knot planks. Natural colour differences may occur. The overall room effect is calm and elegant.



### SURFACE TREATMENT

#### 3.2

Our Douglas fir planks can be delivered pre-sanded and untreated or factory-finished, brushed and surface treated. A colourless oil reinforces and deepens the red colour of the Douglas fir, while lye and white-pigmented oils tend to tone down the vibrancy of the wood and make the floor look discreet and harmonious.