

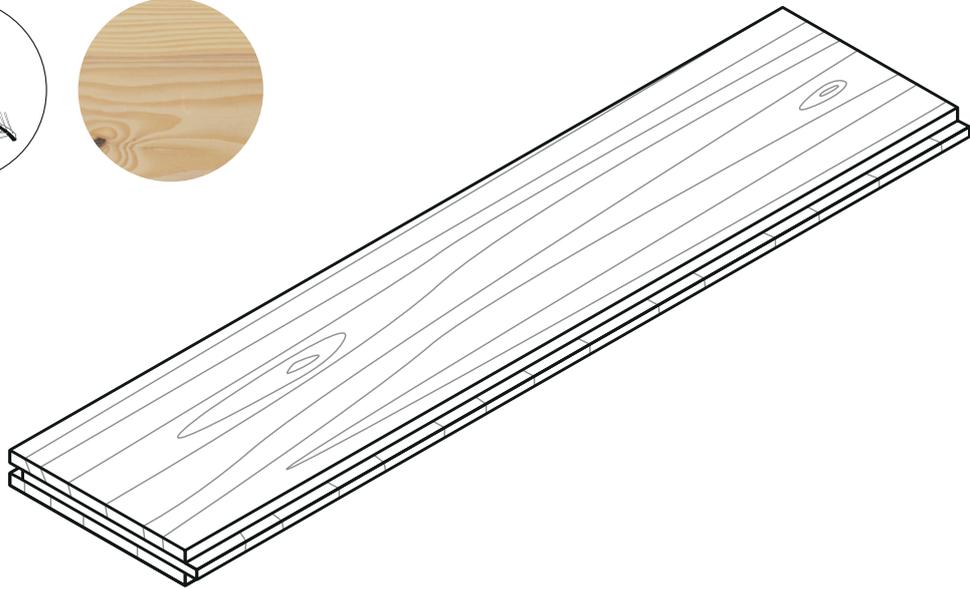


# HIRAM

## Habitat

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PRODUCT DATA SHEET  
BLACK FOREST SILVER FIR  
ENGINEERED BOARDS



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### GENERAL INFORMATION

- 1** 1.1 Origin of our timber  
1.2 The manufacturing process

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### PRODUCT INFORMATION

**2**

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### SURFACES

- 3** 3.1 Grading descriptions  
3.2 Surface treatment

# General 1 Information



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

## ORIGIN OF OUR TIMBER

### 1.1

A rarity from the Black Forest; a resin-free conifer with excellent technical properties. Its light bark and white undersides of the needles give it its name: Silver Fir. It is also easily recognized by its upright, feathered cones. Silver firs can live 600 years and grow up to 60 metres high.



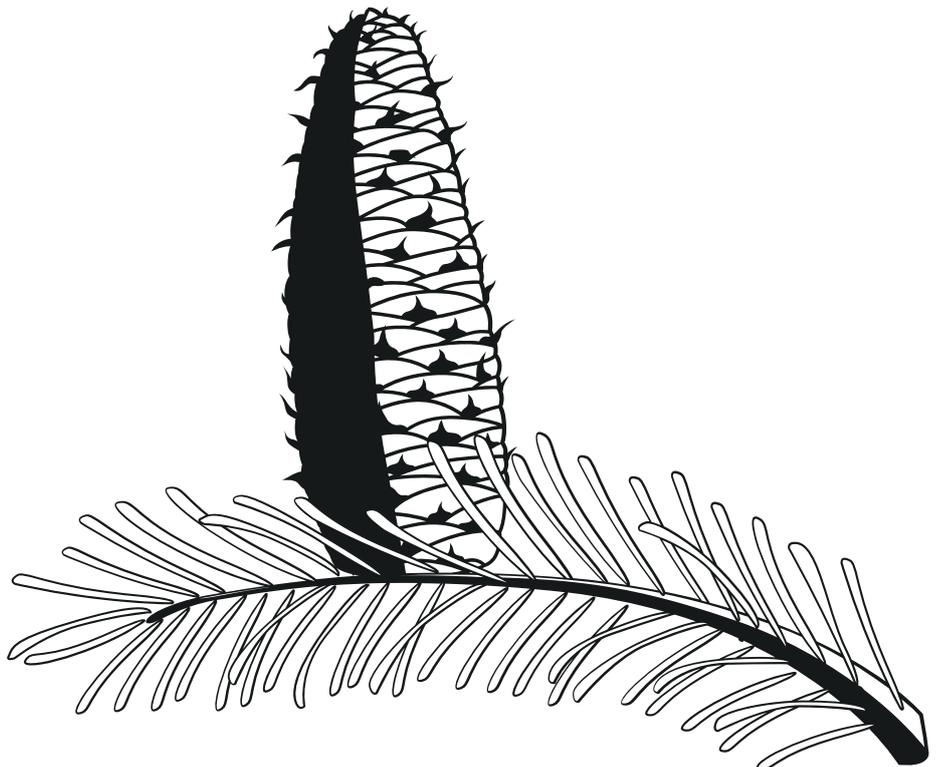
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## THE MANUFACTURING PROCESS

### 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 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, untreated
<b>Surface treatment</b>	Optional Brushed or fine-sanded, 100, 120 grit + lye, oils, floor so-aps 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 410
<b>Installation</b>	Full-surface glued or screwed down
<b>Recommended glue</b>	Stauf SMP 950
<b>Underfloor heating</b>	Suitable, a maximum surface temperature of 27° C ist recommended

# 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 and filled wood features may occur. The size of the knots depends on the type of wood and dimensions of the planks. In an interior, this grading creates character and cosiness.



#### 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

The silver fir is like a sheet of white paper. It absorbs the oil colour-fast and can be treated very easily. The result is immediately visible. The silver fir is also impressive in its natural appearance due to its light colour. The dark knotholes create subtle dark accents in the overall brightness. Both dark and light furnishing styles can be combined well with silver fir. The wood looks modern, fine and noble - and creates the basis for minimalist living spaces.