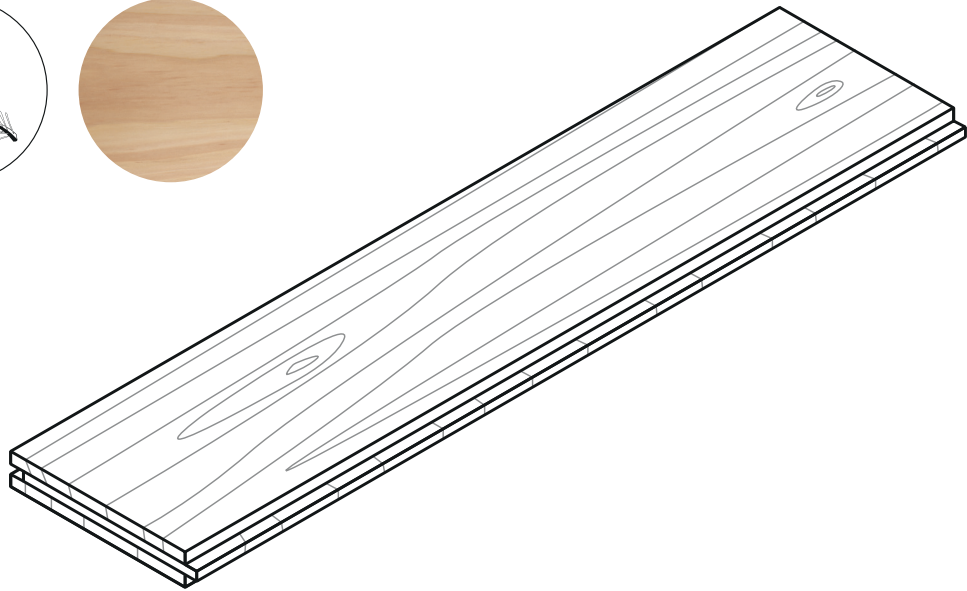




HIRAM

Habitat

PRODUCT DATA SHEET
SILVER FIR
ENGINEERED BOARDS



GENERAL INFORMATION

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PRODUCT INFORMATION

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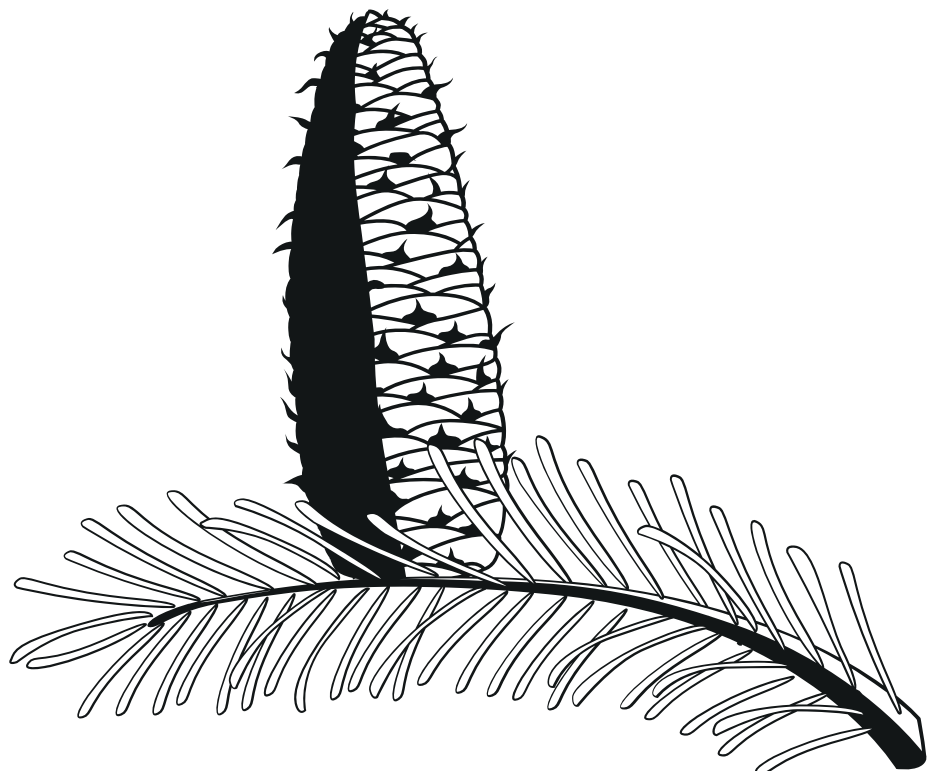
General 1 Information

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.

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



Thickness x Widths	17/21 x 200 250 300 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- 10 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
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, untreated
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 410
Installation	Full-surface glued or screwed down
Recommended glue	Stauf SMP 950
Underfloor heating	Geeignet, max. 27°C Oberflächentemperatur empfohlen

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.