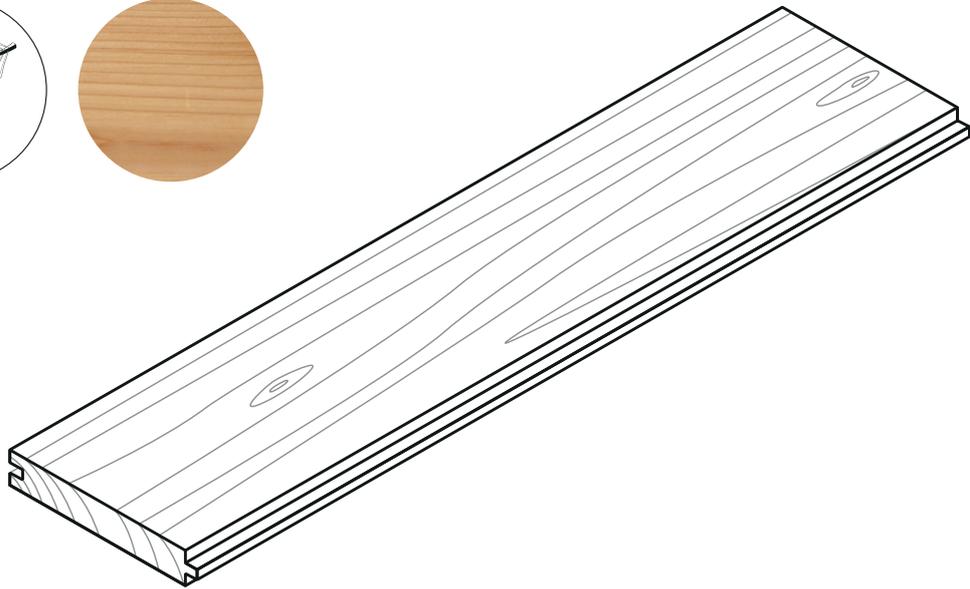




HIRAM

Habitat

PRODUCT DATA SHEET
DOUGLAS FIR SOLID BOARDS



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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

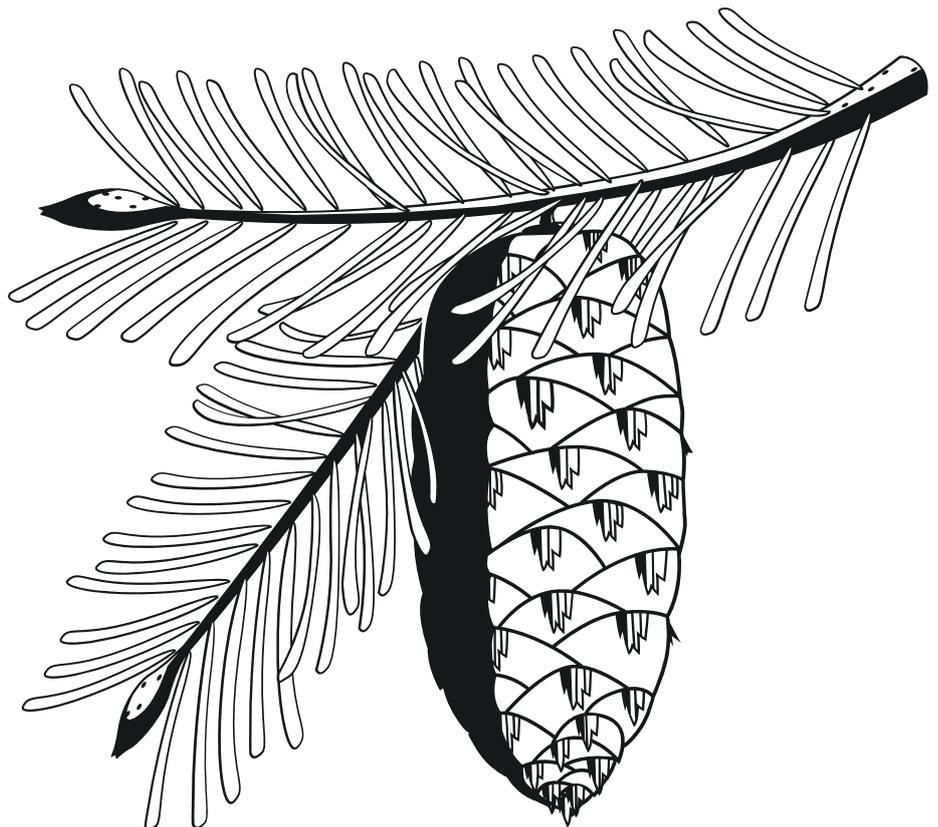
Our Douglas firs come from our own homeland: the Black Forest. They are all grown exclusively in sustainably managed forests, for 80 to 120 years - until we select and process them. After felling, the tree trunks are processed into sawn timber and dried in our partner sawmills.

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



Thickness x Widths	28 x 200 250 300 mm 35 x 350 400 mm
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 Four sides T&G – variable/random boards Rear face with relief grooves
Bevel	Optional Longsides with micro-bevel 1.5 mm or straight-edged Butt joints are straight-edged
Wood moisture content	8-10%
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>
Bottom Layer	Planed (Unplaned surfaces may result in hollows or remnants of bark)
Brinell-hardness (N/mm²)	20
Fire protection class	accord. to DIN EN 13501-1 → Cfl-s1
Thermal insulation resistance	Thickness 20 mm = 0.15 Thickness 28 mm = 0.22 Thickness 35 mm = 0.27
Formaldehyde emission	0
Density (kg/m³)	470
Installation	Full-surface glued or screwed down
Recommended glue	Stauf SPU 570
Underfloor heating	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.