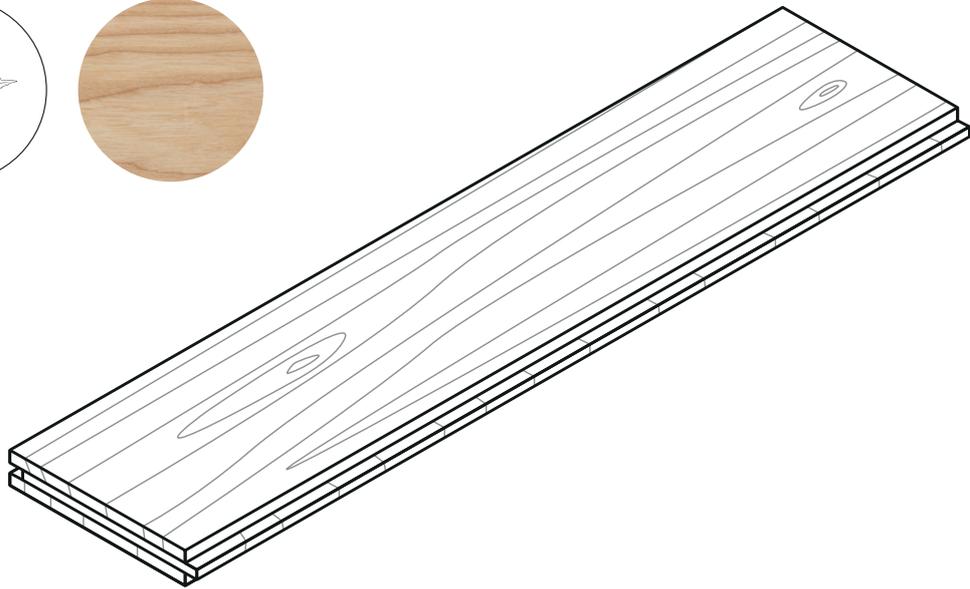




HIRAM

Habitat

PRODUCT DATA SHEET
ASH ENGINEERED BOARDS



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General 1 Information



Hiram GmbH offers
PEFC certified
products
www.pefc.co.uk

ORIGIN OF OUR TIMBER

1.1

Our ash comes mainly from German forests and from the French vicinity. The tree is a majestic sight and stands out, not only externally, because it forms a particularly hard and heavy wood and grows up to two metres in diameter.



EFFECT OF THE WOOD

1.2

Ash is a particularly durable and aesthetic wood. The heartwood of ash has a variety of colour - it consists of light and dark heartwood. The natural brown heart makes for a varied overall appearance of the floor. It is formed with clearly recognisable annual rings, but the naturally occurring pattern is not the only special thing about ash. Its wood is hard and heavy, making it robust and resistant in use. Its unique marbled character makes ash a wood that stands out and brings living space to life.

THE MANUFACTURING PROCESS

1.3

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



Thickness x Widths	<u>Room-/ random-lengths:</u> 17/20/21 x 200 250 300 mm <u>System lengths:</u> 16/20 x 250 300 mm
Platform	<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
Length options	<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
Grading	URBAN CLASSIC or COUNTRY CLASSIC <i>*view 3.1 Grading descriptions</i>
Profiling	<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
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, without treatment
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	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)	650
Installation	Full-surface glued or screwed down
Recommended glue	Stauf SMP 930

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

Ash of itself already has a yellowish to red colour. We therefore usually treat its wood with oils that further enhance its natural, accentuated charm. Each oil wraps the plank in its own unique glory, creating an individual atmosphere. The oil also protects the wood from UV radiation, which would quickly darken the light wood.