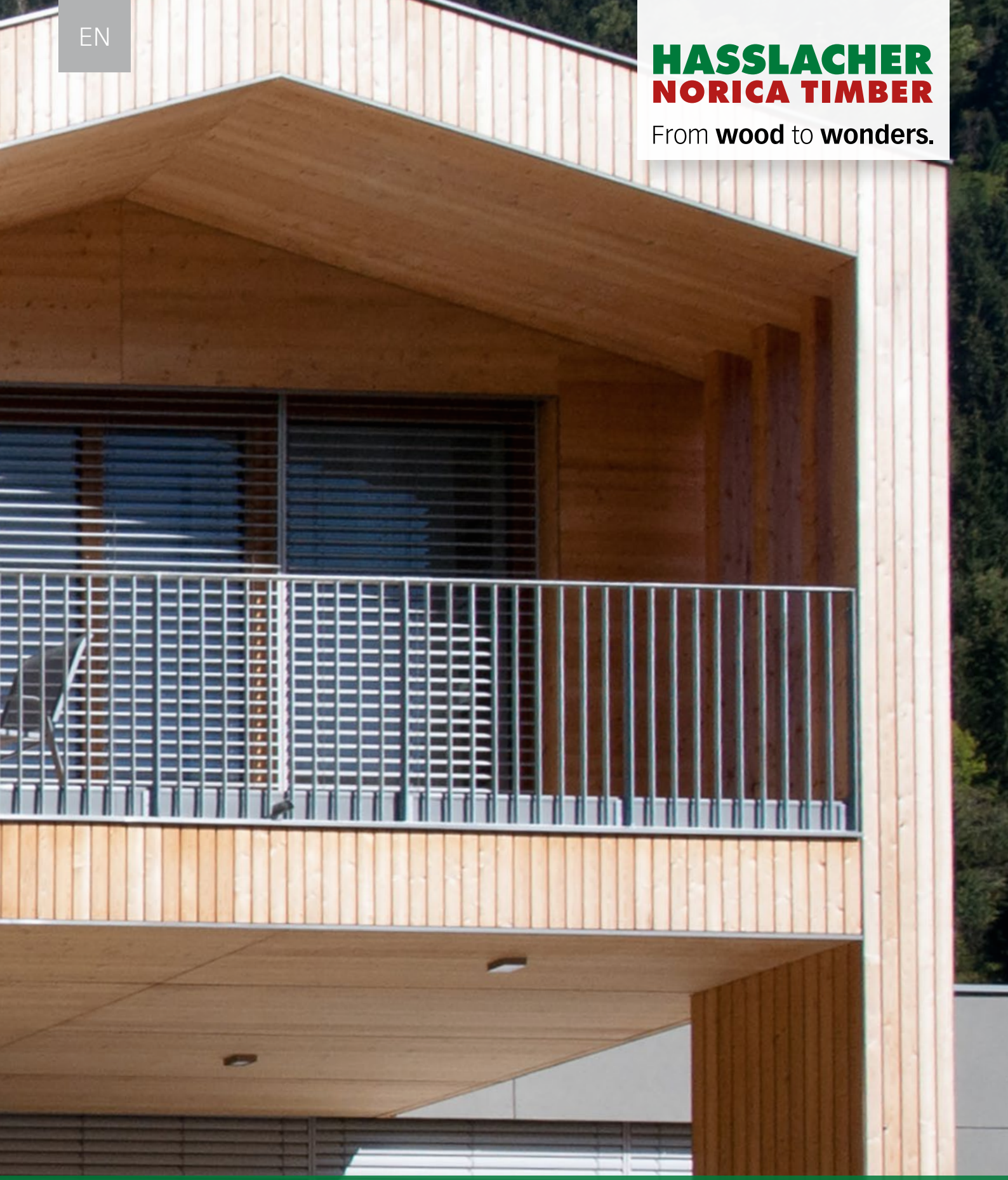
EN

HASSLACHER
NORICA TIMBER

From **wood** to **wonders.**



HASSLACHER solid wood panels

Appealing and sustainable.

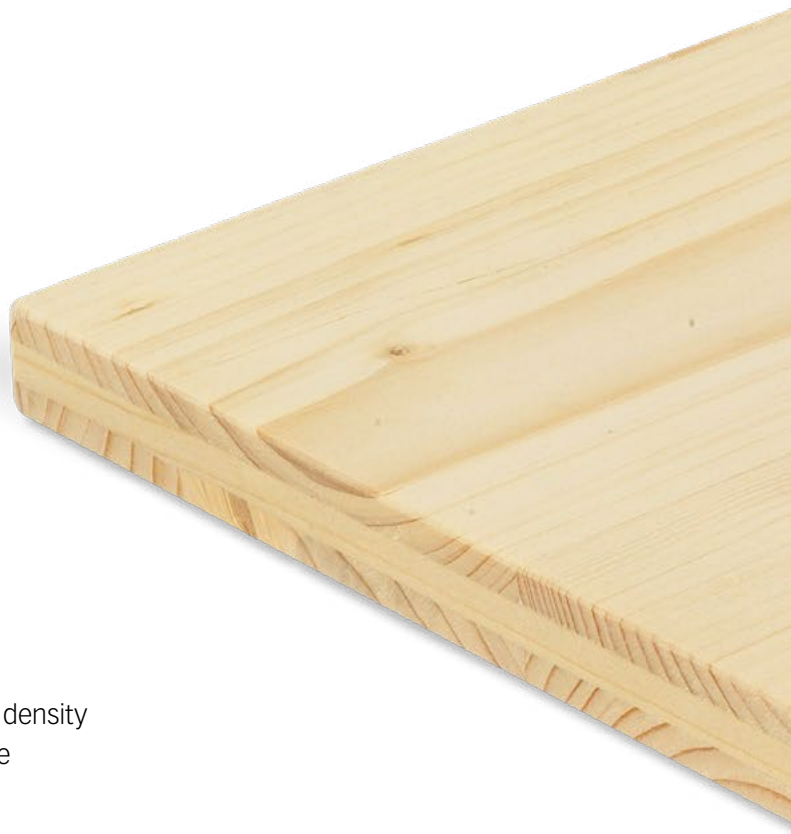
01
At a glance

Brief description

HASSLACHER solid wood panels are a single or multi-layer wood-based material. Their range of application is broad and extends from upmarket interior fit-out to construction panels in non-visible areas. Because they are bonded with a moisture-resistant adhesive, our solid wood panels can also be used in covered outdoor areas. The great advantage of HASSLACHER solid wood panels is that they can be customised and CNC-machined.

Applications

- Single and multi-family homes
- Multi-storey residential buildings
- Additions / extensions
- Industrial and hall construction
- Office buildings, schools and kindergartens
- Modular construction
- Furniture production

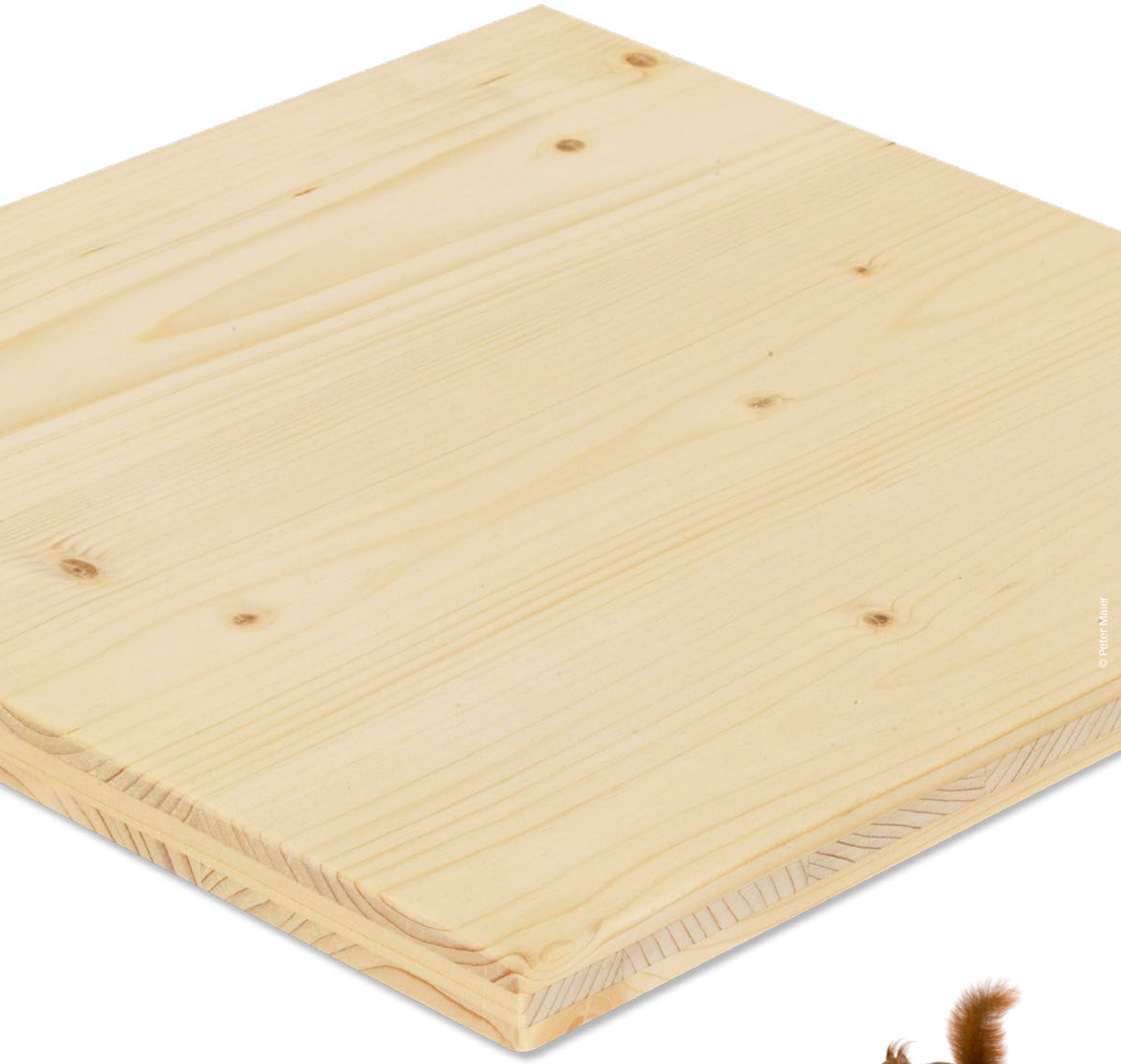


Fields of use

- Interior fit-out
- Furniture construction
- Wall, ceiling and roof panels
- Reinforcing and three-dimensional structures
- Straight and curved uniplanar superstructures
- Facade elements

Benefits

- Versatile application options indoors and outdoors
- High load-bearing capacity and rigidity with low bulk density
- High dimensional stability due to multi-layer structure
- Quick and dry construction
- Easy to work with
- Natural, renewable and 100% recyclable building material
- Can be produced exactly to size on customer request
- Moisture-resistant bonding



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02
Overview

Product standard

EN 13986

Product groups

- Single-layer boards
- Three-layer boards
- Multi-layer boards

Cross-sections

Thicknesses:	15 mm to 80 mm
Widths:	1,200 to 1,450 mm
Lengths:	2,500 to 13,000 mm

Thicknesses depend on the respective product group
Can be cut to width and length

Wood species

- Strength-graded
- Silver fir
- Pine
- Swiss stone pine
- Birch
- Oak
- Other types of wood on request

Certificates

You can find the current certificates on our website HASSLACHER.COM in the download area.

Sustainability

The HASSLACHER Group stands for a respectful use of wood as a resource. Our raw material comes from sustainable and controlled forestry. Our sites are certified according to the strict PEFC standards.

03
Technical data

Inventories

Melamine resin adhesive with light-coloured glue joint Adhesive type 1 according to EN 301 for bonding of load-bearing and non-load-bearing timber components Indoors and outdoors

Wood moisture

10 % ± 2.0 %

Rough tongue and groove boards

For softwood species between
400 kg/m³ and 700 kg/m³
For hardwood species between
500 kg/m³ to 800 kg/m³

Thermal conductivity

λ = 0.12 W/mK with a bulk density of 450 kg/m³
λ = 0.13 W/mK with a bulk density of 500 kg/m³
λ = 0.17 W/mK with a bulk density of 700 kg/m³

Water vapour diffusion resistance coefficient

according to EN 12524
μ = 65 (moist) to 180 (dry)
with a bulk density of 450 kg/m³
μ = 70 (moist) to 200 (dry)
with a bulk density of 500 kg/m³
μ = 90 (moist) to 220 (dry)
with a bulk density of 700 kg/m³

Formaldehyde emissions

E1 according to EN 717-1 (<0.1 ppm)

Fire behaviour

D-s2, d0 according to EN 13986
depending on final use conditions
Rough tongue and groove boards
Panel thickness

Shrinking and swelling behaviour

Single-layer boards
across the fibre direction
$\alpha_{u,90}$ = 0.24 % per 1 % wood moisture difference
along the fibre direction
$\alpha_{u,0}$ = 0.01 % per 1 % wood moisture difference

Multi-layer boards
Out-of-plane direction
$\alpha_{u,90}$ = 0.24 % per 1 % wood moisture difference
In-plane direction
$\alpha_{u,0}$ = 0.01 % per 1 % wood moisture difference

Size tolerances

according to DIN 18203-3

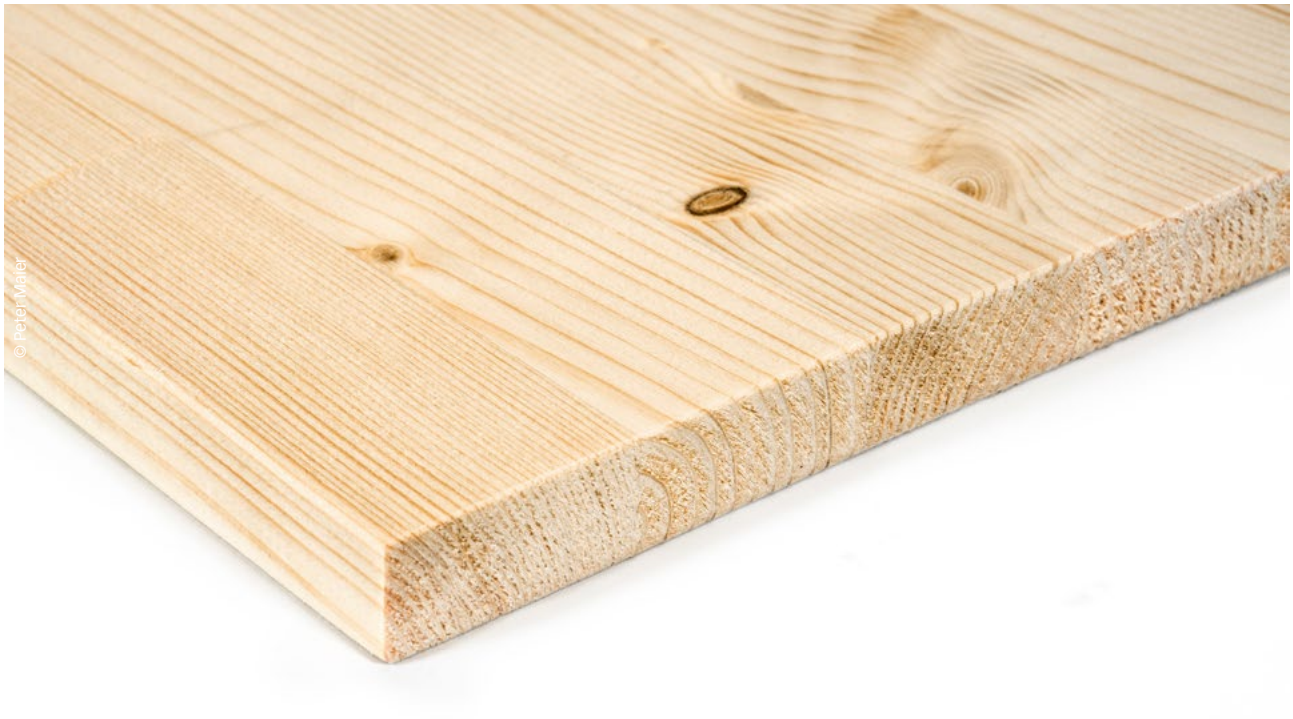
Field of application

according to EN 13353

SWP1	Dry area
SWP2	Wet area

04
Product groups
Single-layer board

Wood species	Spruce, silver fir, pine, stone pine, birch, oak Other wood species on request.
Thicknesses	15 mm to 50 mm Standard: 18 mm, 19 mm, 20 mm, 30 mm, 40 mm
Widths	1,200 mm to 1,450 mm Stock width: 1,200 mm and 1,250 mm Custom widths can be cut to size
Lengths	2,500 mm to 13,000 mm Custom lengths can be cut to size
Structure	Bonding of slats or rods
Surface	sanded, grade: 150 can be brushed on one side at the customer's request
Quality	B/C, C/C according to EN 13017-1 and D/D

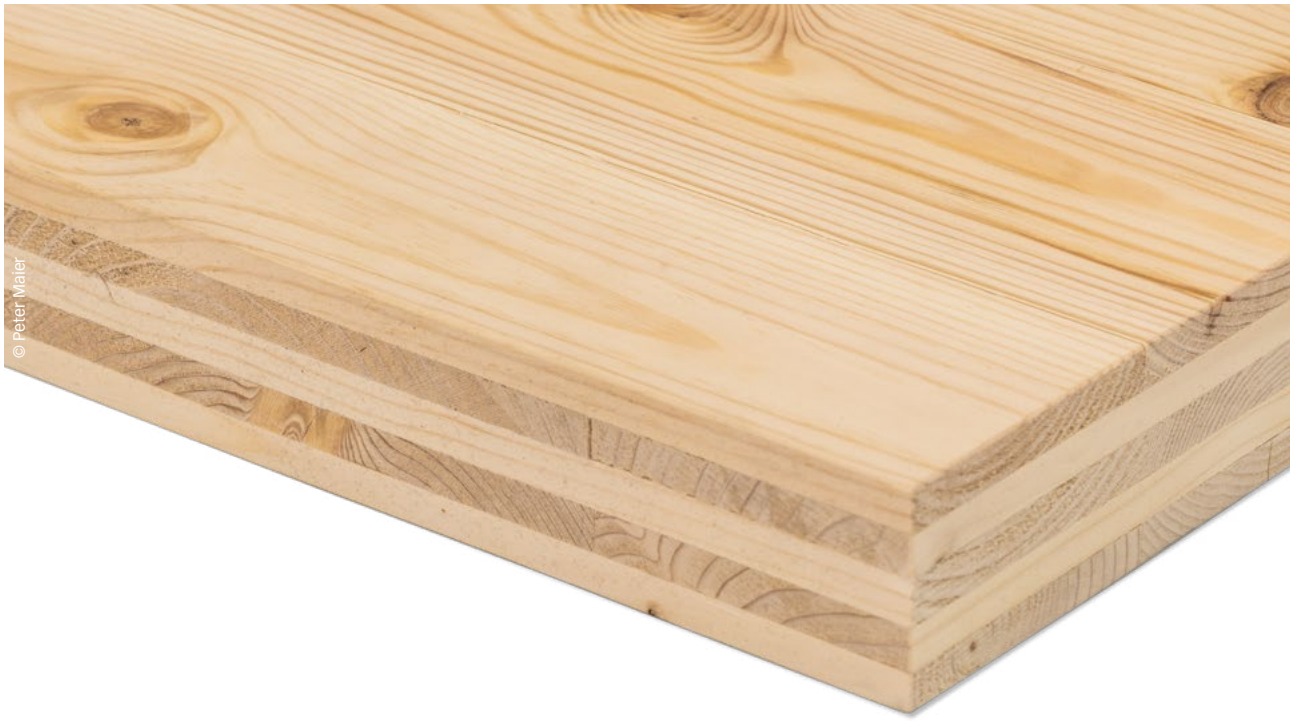


Three-layer board

Wood species	Spruce, silver fir, pine, stone pine, birch, oak Other wood species on request
Thicknesses	19 mm to 120 mm Standard: 19 mm, 22 mm, 27 mm, 30 mm, 40 mm, 50 mm, 60 mm
Widths	1,200 mm to 1,450 mm Stock width: 1,200 mm and 1,250 mm Custom widths can be cut to size
Lengths	2,500 mm to 13,000 mm Custom lengths can be cut to size
Structure	Rod lamellas in centre and top layer Top layers in various types of wood
Surface	sanded, grade: 150 can be brushed on one side at the customer's request
Quality	B/C, C/C according to EN 13017-1 and D/D

Multi-layer board

Wood species	Spruce, silver fir, pine, stone pine, birch, oak
Thicknesses	30 mm to 60 mm up to 150 mm possible
Widths	1,200 mm to 1,450 mm Custom widths can be cut to size
Lengths	2,500 mm to 13,000 mm Custom lengths can be cut to size
Structure	Rod lamellas in centre and top layer Top layers in various types of wood 5-, 7- or 9-layer structure
Surface	sanded, grade: 150 can be brushed on one side at the customer's request
Quality	B/C, C/C according to EN 13017-1 and D/D



05
Post-processing

Description

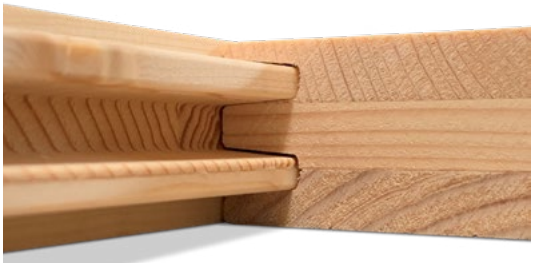
At the customer's request, custom formats, cut-to-size parts and or other machining operations are possible. Within the solid wood panel production, we have at our disposal a "Biesse Rover C" joinery machine All handling harbours the risk of damage, therefore, we recommend joinery during production.

Technical data

Length	up to 9,300 mm
Width	up to 2,000 mm
Cutting depth	up to 130 mm
Machining height	up to 270 mm
Machining depth	to 180 mm in accordance with DIN 18203-3
Tolerances	up to ± 1 mm
5-axis machining	Milling, drilling and profiling
Interfaces	*.dxf, *.dwg can be adopted and processed further.
Profiles	Log house profile, tongue and groove profile, external tongue

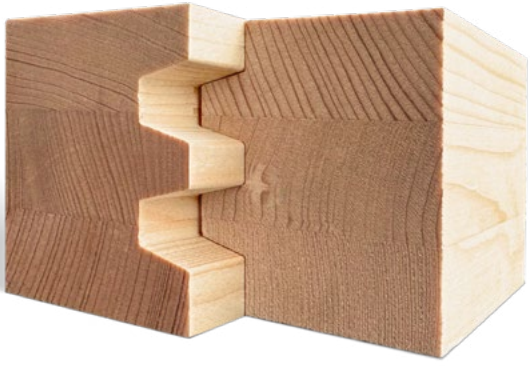
Tongue and groove profile

Thickness 27 to 60 mm
Double groove with bevel on both cover layers



Block house profile

Thicknesses 80 to 120 mm
Double keyway with chamfer on both cover layers



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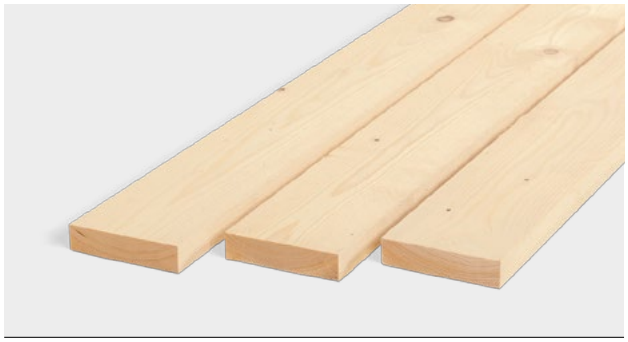
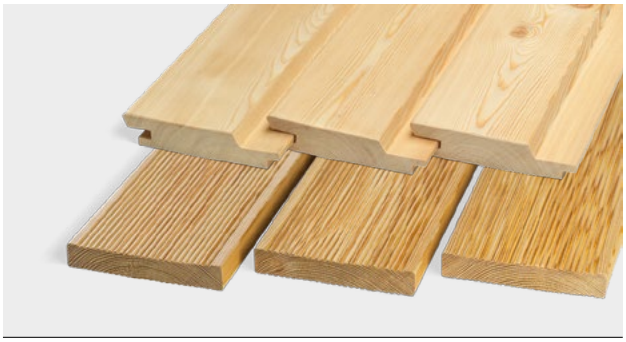
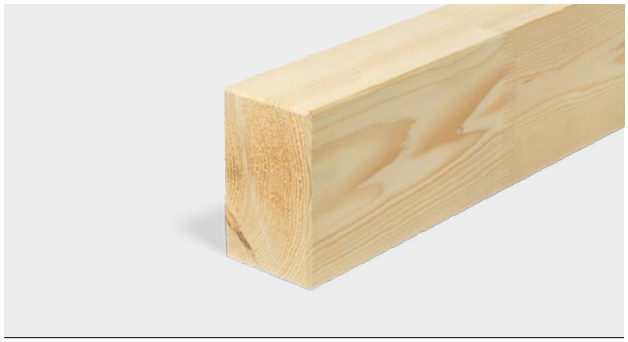
HASSLACHER group product range



Sawn timber

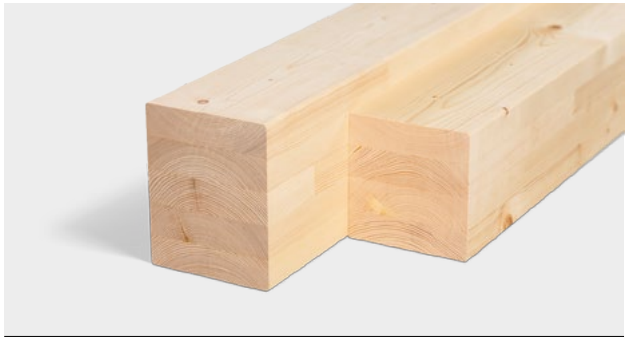


Surfaced timber

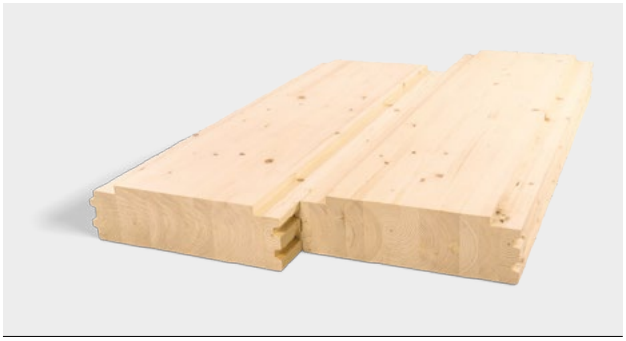


Structural finger jointed solid timber & GLT®

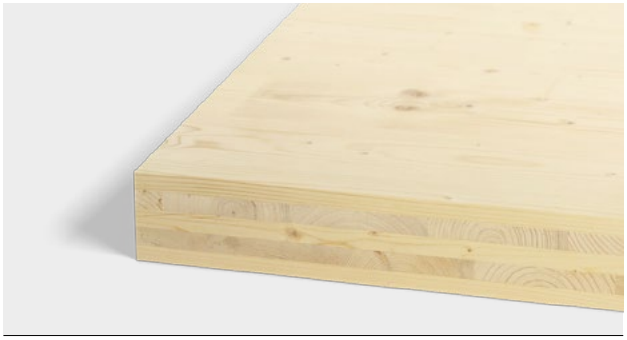
Glued solid timber Duo/Trio



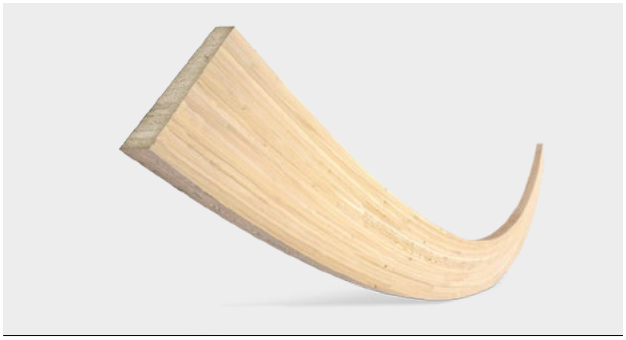
Glued laminated timber



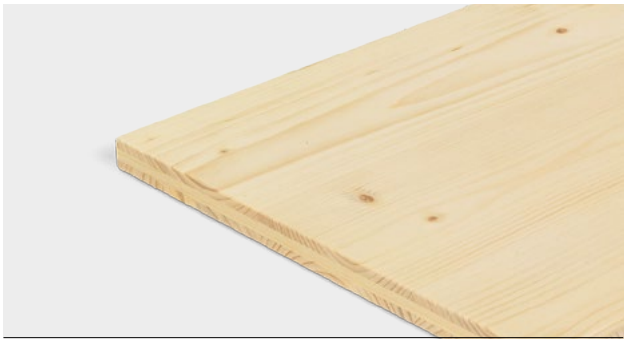
Glulam ceiling systems



Cross laminated timber

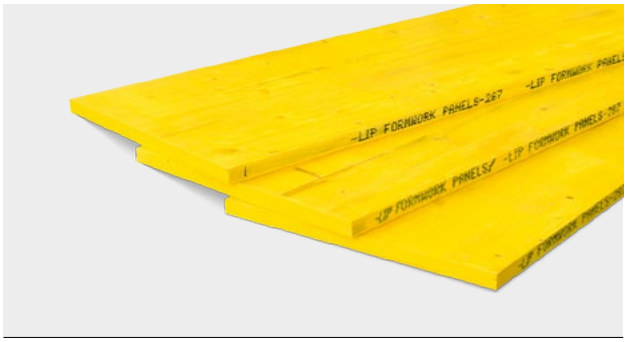


Glued laminated timber special components

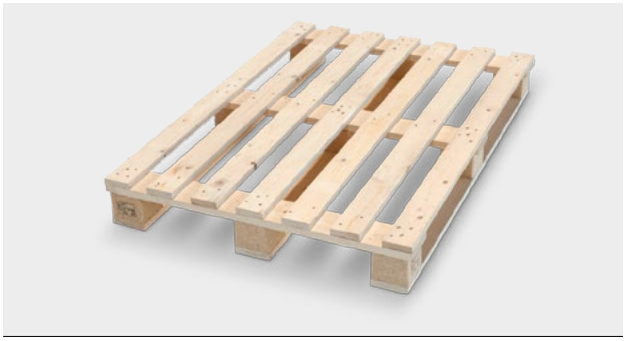


Solid wood boards

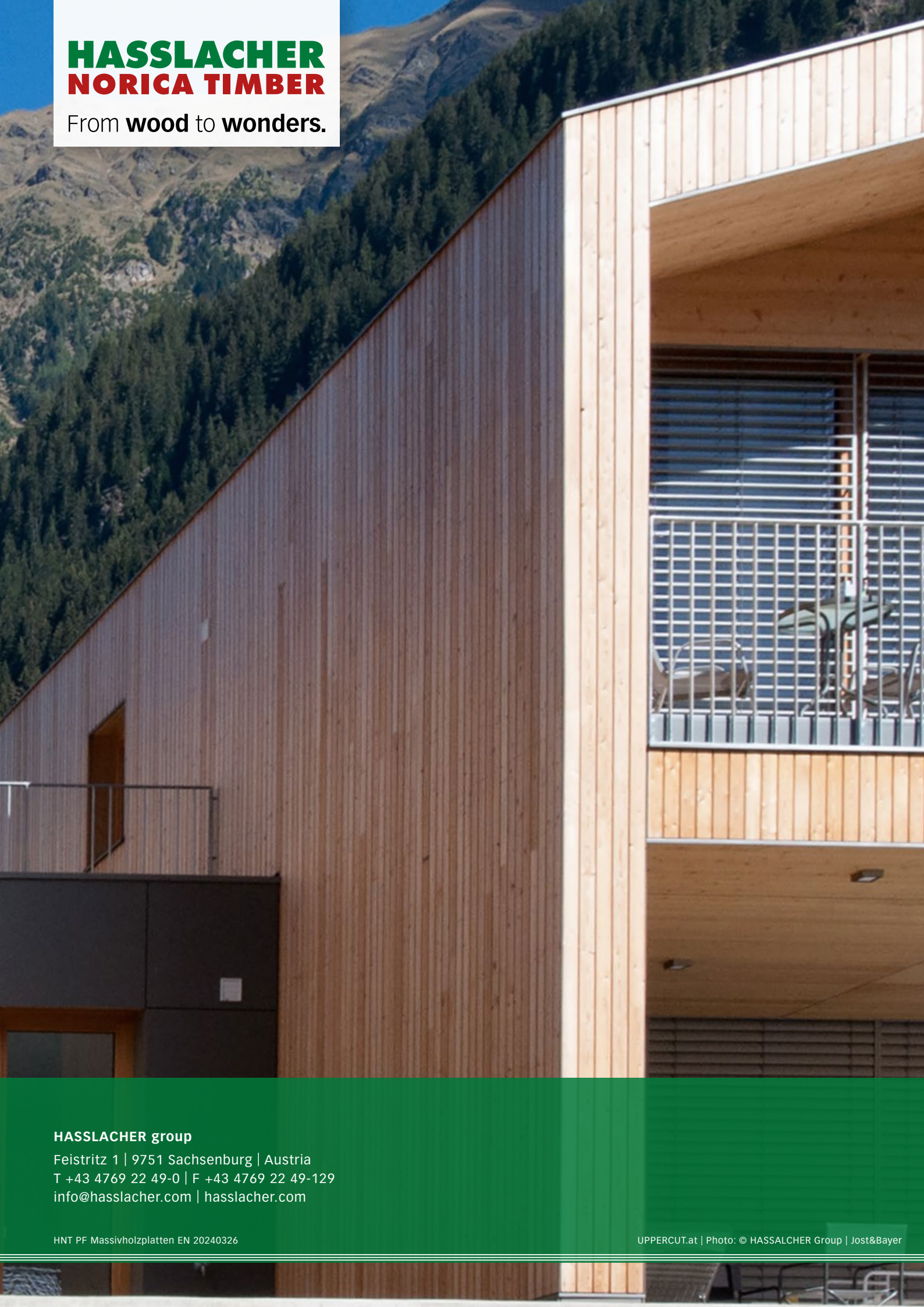
Pellets



Formwork panels



Pallets & packaging solutions



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