



PRODUCTS

2021/22

GLUED LAMINATED TIMBER

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THEURL CLEVER SOLUTIONS MORE THAN STANDARD

The challenging living conditions in the mountains strengthen the resilience of the spruces. Spruce wood is therefore the perfect material for our glued laminated timber production. Easy workability and high strength are the key characteristics and qualities of glued laminated timber.



REX
Holzbearbeitungsmaschinen

GLUED LAMINATED TIMBER

THEURL glued laminated timber is made of at least two lamellas. The load capacity is much greater than that of conventional timber, due to the layered structure. Another quality characteristic is the selected knotless wood, which is glued parallel to the fibre and planed on four sides, resulting in aesthetically pleasing functional components.

The automatic testing of each individual lamella is standard. The exact strength class is determined by the Microtec GOLDENEYE, pursuant to Önorm EN 14081-1.



ORDER-RELATED JUST-IN-TIME PRODUCTION

PRODUCT CHARACTERISTICS	Wood type:	local spruce (larch on request)
	Thickness of lamellas:	40 mm
	Wood moisture content:	11 % +/- 2,5 %
	Surface:	Visual or industrial quality, planed on 4 sides, Chamfered edges
	Strength class:	GL 20h, GL 24h, GL 28c, GL 30c, GL 32c
QUALITY CHARACTERISTICS	Product standard:	EN 14080:2013
	Finger jointing:	EN 385:2002
	Sorting:	mechanically according to DIN 4074-4 and EN 14081-1
	Gluing:	MUF melamine resin urea-based glue, weather-proof, transparent glued joints
SUPPLY RANGE	Width:	60 – 280 mm
	Height:	120 – 1280 mm
	Length:	Min. 6 m – max. 18 m

Cross section		Quality		Strength class				
Width mm	Height mm	View	Industry	GL 20h	GL 24h	GL 28c	GL 30c	GL 32c
Sort class				T 10	T 14	T 22 (T 14)	T 22 (T 14)	T 26 (T 14)
60	120 - 480		■	■				
80	120 - 1280	■	■		■	■	■	■
100	120 - 1280	■	■		■	■	■	■
120	120 - 1280	■	■		■	■	■	■
140	120 - 1280	■	■		■	■	■	■
160	120 - 1280	■	■		■	■	■	■
180	120 - 1280	■	■		■	■	■	■
200	120 - 1280	■	■		■	■	■	■
220	120 - 1280	■	■		■	■	■	■
240	120 - 1280	■	■		■	■	■	■
280	120 - 1280	■	■		■	■	■	■

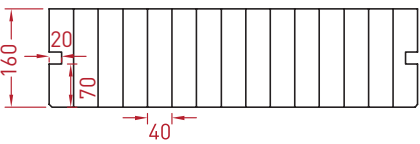
On request: Strength class GL 28h, GL 30h, GL 32h
Width 60 mm

GLULAM CEILING ELEMENTS

THEURL produces ready-to-fit ceiling elements with various profiles. Dimensional accuracy and perfect surfaces help to reduce construction time and costs.

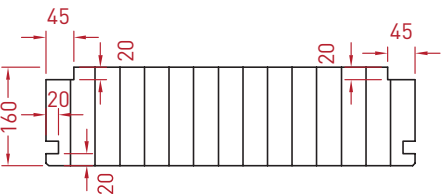
Quality:	GL 24h
Standard dimensions	
Height:	400 / 600 mm, maximum width 1200 mm
Thickness:	80 - 280 mm
Length:	6 - 18 m

Glulam elements, single groove, type 1



Thickness	80	100	120	140	160	180	200	220	240	280
Covered dimensions (= invoiced dimensions): 600 mm Groove: 20 mm										

Glulam elements, single groove and rabbet joint, type 2

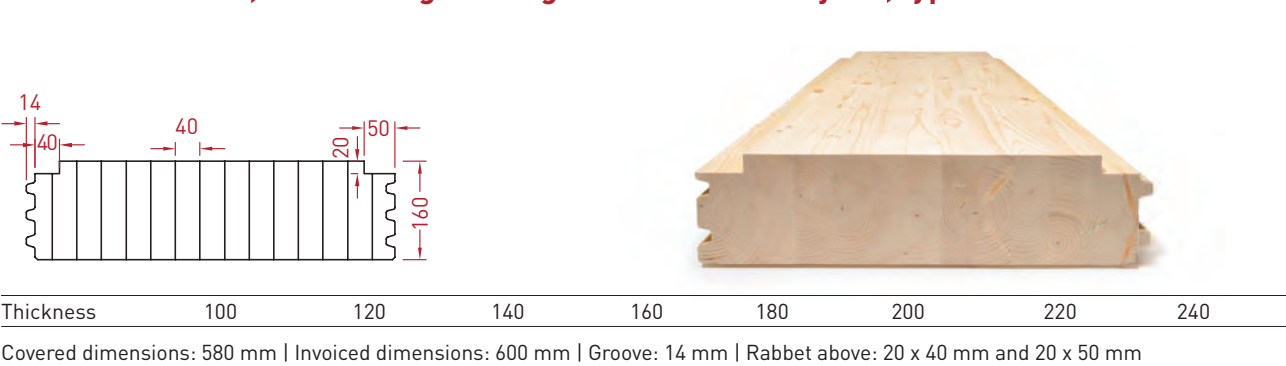


Thickness	100	120	140	160	180	200	220	240
Covered dimensions (= invoiced dimensions): 600 mm Groove: 20 mm Rabbet above: 20 x 45 mm								

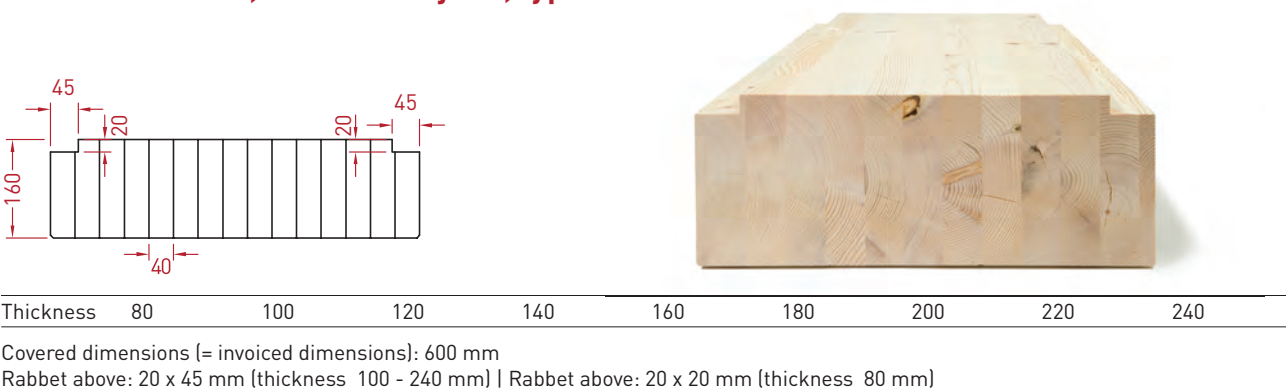
Glulam elements, double tongue and groove, type 3



Glulam elements, double tongue and groove with rabbet joint, type 4



Glulam elements, with rabbet joint, type 5



Glulam natural elements, single groove, type 1



Glulam natural elements, double tongue and groove, type 3



Block planks

There is hardly anything more typical of the special Alpine flair than these block planks. With their humidity-regulating heat, sound and fire protection values, they create a comfortable indoor climate. On each side, they have a ready-to-install visible surface, which allows this product to have several variations. Thanks to the ready-to-install delivery, it is easy to assemble the components quickly and precisely.



JOINERY

THEURL YOUR PLAN OUR PRECISION

Anything is possible. There is a solution for everything – even the most complex wooden structure. We convert your project into impressive, high-quality CNC components. State-of-the-art processing machines cut wood into any shape quickly and precisely. Together with our customers, we are aiming to take timber construction into a new dimension.

THE JOINERY SERVICE – A QUANTUM LEAP!

Our joinery service centre combines traditional manual work with modern technology. It serves as an interface through which we can fully meet the needs and requirements of our customers.

Initial consultation: Your project is accepted, a plan is drafted, and the costs are calculated.

The wooden components then take shape in the joinery station. The state-of-the-art joinery station allows millimetre-precise production in no time. This enables a high degree of flexibility thanks to fast and optimal construction while keeping to the deadlines, as well as through calculable cost savings and top-quality construction elements.



HARD FACTS ABOUT THE JOINERY STATION

DATA PREPARATION	We convert your project data into CNC machine data. SEMA, Dietrich's, hsbcad and cadwork. Other kinds of processing are also possible.
WOODEN ELEMENTS	max. length 18 m max. height 1250 mm max. width 280 mm
JOINERY MACHINES	Hundegger K2i 1250 ROBOT Hundegger K2i 1250 5 axles Hundegger K2 625 5 axles



EVERYTHING UNDER ONE ROOF

With computer-assisted manufacturing, THEURL meets the highest precision and quality requirements of modern timber construction. In our assembly facilities, we carefully and expertly produce individual wooden structures measuring up to 18 m in length and 1.25 m in height. The years of experience of our employees and the high precision of the three joinery machines play an important role in this. They guarantee sustainable customer service. Specifically, everything from the realisation of the design as ready-to-install and millimetre-accurate components, to the quality control at the end of processing, is covered.

OUR JOINERY SERVICE

CONSULTANCY	Representation of the offer. Competent advice in the planning phase. Calculation for the offer. Preliminary calculation by means of the THEURL calculation. Reliable processing and development.
DATA PREPARATION	SEMA, Dietrich's, hsbcad and cadwork. Other kinds of processing are also possible.
JOINERY MACHINES	Hundegger K2i 1250 ROBOT Hundegger K2i 1250 5 axles Hundegger K2 625 5 axles
WOODEN ELEMENTS	max. length 18 m max. height 1250 mm max. width 280 mm
SURFACE TREATMENTS AND REFINING STEPS	Chopping Brushing Painting are optionally available from our partner companies.
PRE-ASSEMBLY	with connectors; from the insertion of the connectors to the ready-to-install constructions.
LOGISTICS	Timely delivery of the ready-to-install constructions with prepared installation plans.



