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PURCHASING OF ROUND TIMBER

PLANED PRODUCTS

GLUED LAMINATED TIMBER



AUSTRIAN PREMIUM TIMBER

Theurl guarantees the highest quality. We strive to give the best possible advice, and to deliver sustainable products. Our capital stock is our knowledgeable and experienced team of employees. We face any challenge in a reliable, resource-saving and solution-oriented way.

TIMBER – IS PART OF OUR HISTORY

1932

Peter Theurl purchases the Weilerhof, along with a Venetian saw.

1970

Relocation

1977

Construction of the first heating plant with four connected drying chambers.

1982

Construction of a planing mill.

1995

Hannes and Stefan Theurl take over the management of the company.

2003

Commissioning of the biomass power plant for the production of green electricity.

2004

New-build saw mill with state-of-the-art cutting technology.

2006

Foundation of Theurl Holzindustrie GmbH and construction of a glulam plant.

2007

Installation of a joinery centre.

2011

Construction of a planing mill and log wood centre for large and small timber.

2014

Installation of a new saw line and refurbishment of the headquarters.

2017

Expansion of the glulam plant. Construction of a double deck press, and refurbishment of the logistics area. The digital networking of the entire operation makes Theurl a model company, which works energy-efficiently and sustainably. Bernhard Waldner (IT)

The THEURL apprenticeship programme reminds us of our responsibility to produce perfect beams for our customers.

Stefanie Köck (Electrical Engineer) Manuel Blassnig (Apprentice, Wood Technology

Regular monitoring of all production steps guarantees that only top-quality products leave the factory. Waltraud Hainzer (Quality Control) When I first became a sawyer, it was hard, physical labour – but it is now much easier and safer. There is more mental work though!

Josef Mairer (Grinding Technolo

Commissioning and loading is highly complex. The optimal shipping saves our customers a lot of time and money.

> leinrad Lukasser _ogistics)

An intelligent log yard with state-of-the-art technology has a major impact on the quality and output of sawn products.

Robert Theurl (Log Measureme**nt)**

> The digitisation has fundamentally changed carpentry. Millimetre-precise joinery with highly complex CNC machines is now standard.

Hannes Fuchs (Pre-assembly Service)



We consider our strengths to be our flexibility, oversight and precise planning. This enables precise production and punctual delivery.

Hubert Tschapeller (Production Planning)

My long-standing business relations with the forest owners and foresters form the basis of mutual trust, and guarantee the best possible round timber quality

Gerhard Gomig (Round Timber Purchasing)

PURCHASING OF ROUND TINBER

Nothing comes from nothing! A good tree doesn't just bear fruit, it is also a prerequisite for good products made of wood. From spruces to firs and larches – at Theurl, we value the quality of local forests and rely on the knowledge and care of forestry organisations.



THEURL REGIONAL RELIABLE

W00D -**AN ALLROUND SUCCESS**

East Tyrol is a green, leafy paradise. When our purchasers walk through the forests with the forest owners and foresters to see which trees are to be felled, they are always impressed by the strength of these lean giants. It is the silence of the forest that they appreciate. Our purchasers then look from trunk to trunk, internally assess the suitability of the mountain timber, and make a purchase. Thanks to state-of-the-art technology, the process speeds up after that.

Fine-grained round timber is felled in an environmentally-friendly way, in accordance with the intergenerational agreement.Only using sustainable resources is one of THEURL's guiding principles.

QUALITY CRITERIA

saw-able round timber, preferably fine-grain Alpine timber

Wood type: Spruce, fir, larch Length: 4 m; 3 m accompanying Tail-end 130 mm upwards Diameter:



Your point of contact:

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PROCESS OF PURCHASING ROUND TIMBER

1.	Make an appointment
2.	Visit the wood area
3.	Make an offer
4.	Conclude the purchase contract
5.	Schedule the batch via the THEURL Round Timber App
6.	Load the round timber
7.	Enter the estimated quantity in the THEURL Round Timber App
8.	Create an electronic delivery note
8. 9.	Create an electronic delivery note Delivery of the wood to the sawmill
8. 9. 10.	Create an electronic delivery note Delivery of the wood to the sawmill Batch acceptance via the THEURL Round Timber App at the terminal
8. 9. 10. 11.	Create an electronic delivery note Delivery of the wood to the sawmill Batch acceptance via the THEURL Round Timber App at the terminal 3D measurement of the trunks
8. 9. 10. 11. 12.	Create an electronic delivery note Delivery of the wood to the sawmill Batch acceptance via the THEURL Round Timber App at the terminal 3D measurement of the trunks Round timber sorting, including trunk screening
8. 9. 10. 11. 12. 13.	Create an electronic delivery note Delivery of the wood to the sawmill Batch acceptance via the THEURL Round Timber App at the terminal 3D measurement of the trunks Round timber sorting, including trunk screening Create measurement report





THEURL **PRECISE CUTTING**

SAWN TIMBER

The spruce, which is insensitive to cold, is an essential Alpine tree, and the ideal construction material. It is felled, cut, trimmed, debarked and measured, and then cut in our sawmill into square timber, slats, or narrow / wide / prismatic sawn wood. We meet individual customer needs in the shortest possible time, and to the expected quality.

WIDE RANGE OF PRODUCTS

SAWN TIMBER

Sawn timber is shaped round timber. Fine-grained Alpine spruce wood is cut parallel to the trunk axis. This, and the careful drying, guarantee wood products of perfect shape for every application. The final inspection is carried out by highly-experienced employees, who sort the sawn timber into quality classes.

Sawn timber, narrow

Type of wood	Thickness mm	Width mm	Length	Unit	III-IV	III-IV-V
Spruce	24	80-160	4	per m³		



Laths (length 4 m)

Type of wood	Thickness mm	Width mm	Unit	0 - III	III - IV	III - IV - V	IV - V
Spruce	25	40 / 50 / 60	per m³				
Spruce	30	40 / 50 / 60	per m³				
Spruce	40	40 / 50 / 60 / 70 / 80	per m³				
Spruce	50	50 / 60 / 70 / 80	per m³				
Spruce	60	60 / 80 / 100 / 120 / 140	per m ³				

Scantlings

Type of wood	Thickness mm	Width mm	Length m	Unit	0 - 111	III - IV	III - IV - V	IV - V
Spruce	80 / 100	80 / 100	4	per m³				

Sawn timber, wide

Type of wood	Thickness mm	Width mm	Length m	Unit	0 - 111	III - IV	III - IV - V	IV - V
Spruce	24 / 30	160 +	4	per m³				
Spruce	40 / 50 / 60	160 +	4	per m³				

Sawn timber, prismatic

Type of wood	Thickness mm	Width mm	Length m	Unit	0 - 111	III - IV	III - IV - V	IV - V
Spruce	24 / 30	120 / 150	4	per m³				
Spruce	24	180 / 200	4	per m³				
Spruce	40 / 50	245 / 280	4	per m³				
Spruce	30 / 60	various	4	per m ³				









THEURL NATURE REFINED VISIBLE ELEGANCE

In our planing mill, state-of-the-art technology is used to process the planed timber, form boards, strip flooring and sawn timber. A powerful planing machine smooths rough spruce and larch boards, and brings the wonderful fine-grain wood structures to light.



PLANED PRODUCTS

Only monitored, pre-sorted sawn timber of the best quality is processed in our planing mill. The most finely-tuned planing heads refine natural products, and reveal the true beauty of the wood grain. Fine-fibred planed items with smooth surfaces, which meet the highest design requirements both inside and outside.

Planed boards S4S



Type of wood	Thickness mm	Width mm	Cover width mm	Length m	Pieces / pack	Unit	Α	AB	В	BC
Spruce	19	115 / 145	110 / 140	4	540 / 420	per m²				
Spruce	19	175 / 195	170 / 190	4	330	per m²				
Spruce	23	175	170	4	288	per m ²				
Larch	19	115 / 145	110 / 140	4	540 / 420	per m²				
Larch	31	145	140	4	224	per m²				

Chamfer cladding (with 4 mm chamfer)

Covered dimensions = invoiced dimension	s - 8 mm
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Type of wood	Thickness mm	Width mm	Cover width mm	Length m	Pieces / pack	Unit	Α	AB	В	BC
Spruce	19	115	107	4	540	per m ²				
Spruce	19	145	137	4	385	per m ²				
Spruce	19	175 / 195	167 / 187	4	330 / 275	per m ²				
Larch	19	146	137	4	385	per m ²				

Chamfer cladding both sides usable (with 4 mm chamfer)

Covered dimensi	ions = invoiced dimensio	ons - 8 mm
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Type of wood	Thickness mm	Width mm	Cover width mm	Length m	Pieces / pack	Unit	Α	AB	В	BC
Spruce	19	145 / 155	137 / 147	4	420	per m ²				
Spruce	23	145 / 175	137 / 167	4	336 / 288	per m ²				
Spruce	23	195	187	4	288	per m ²				
Larch	23	145	137	4	336	per m²				

The planed goods are produced to the usual high quality! · Invoiced dimensions = dimensions incl. tongue!

Ship floor, profiled on 2 sides

	Covered dimensions = invoiced di	mensions - 8 mm
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Type of wood	Thickness mm	Width mm	Cover width mm	Length m	Pieces / pack	Unit	Α	AB	В	BC
Spruce	23	115	107	4	405	per m²				
Spruce	31	155 / 175 / 195	147 / 167 / 187	4	238 / 204 / 204	per m²				
Spruce	41	175	167	4	156	per m²				
Larch	23	115 / 145	107 / 137	4	405 / 308	per m ²				
Larch	31	145	137	4	224	per m²				

Block wall cladding, 2 mm chamfered edges



Type of wood	Thickness mm	Width mm	Cover width mm	Length m	Pieces / pack	Unit	Α	AB	В	BC
Spruce	19	175	167	4	330	per m²				
Spruce	24	145 / 175	137 / 167	4	308 / 288	per m²				

Raw cladding (band saw cutting), 1 mm chamfered edges

Covered dimensions =	= invoiced dimensions - 8 mm	
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Type of wood	Thickness mm	Width mm	Cover width mm	Length m	Pieces / pack	Unit	Α	AB	В	BC
Spruce	20	175	167	4	330	per m²				

Fire portection cladding

Covered dimensions = invoiced dimensions - 10 mm

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Type of wood	Thickness mm	Width mm	Cover width mm	Length m	Pieces / pack	Unit	Α	AB	В	BC
Spruce	31	175	165	4	204	per m²				
Spruce chamfere	ed 41	175 / 195	165 / 185	4	156 / 130	per m²				

The planed goods are produced to the usual high quality! · Invoiced dimensions = dimensions incl. tongue!







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m	Pieces / pack	Unit	Α	AB	В	BC

Rhomboid cladding

Type of wood	Thickness mm	Width mm	Cover width mm	Length m	Pieces / pack	Unit	Α	AB	В	BC
Larch	19	115	110	4	495	per m²				
Larch	19	145	140	4	385	per m²				
Larch	24	68	70	4	704	per m²				

Planed boards ribbed

	140	
31		
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Type of wood	Thickness mm	Width mm	Cover width mm	Length m	Pieces / pack	Unit	Α	AB	В	BC
Larch	23	145	140	4	336	per m ²				
Larch	31	145	140	4	224	per m²				

Level sawn timber; tongue and groove (on request)



Type of wood	Thickness mm	Width mm	Cover width mm	Length m	Pieces / pack	Unit	Α	AB	В	BC
Spruce	22	145	137	4	350	per m ²				

The planed goods are produced to the usual high quality! · Invoiced dimensions = dimensions incl. tongue!



THEURL GUARANTEES THE HIGHEST QUALITY.

GLUED LAMINATED TIMBER

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.

THEURL MORE THAN STANDARD CLEVER SOLUTIONS



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: Thickness of lamellas: Wood moisture content: Surface: Strength class:	local spruce (larch on request) 40 mm 11% +/- 2,5% Visual or industrial quality, planed on 4 sides, Chamfered edges GL 20h, GL 24h, GL 28c, GL 30c, GL 32c
QUALITY CHARACTERISTICS	Product standard: Finger jointing: Sorting:	EN 14080:2013 EN 385:2002 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: Height: Length:	60 – 280 mm 120 – 1280 mm 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
Height: Thickness:	400 / 600 mm, maximum width 1200 mm 80-280 mm

Glulam elements, single groove, type 1



Covered dimensions (= invoiced dimensions): 600 mm | Groove: 20 mm

Glulam elements, single groove and rabbet joint, type 2



Covered dimensions (= invoiced dimensions): 600 mm | Groove: 20 mm | Rabbet above: 20 x 45 mm





160



Glulam elements, double tongue and groove, type 3



Covered dimensions: 585 mm | Invoiced dimensions: 600 mm | Groove: 14 mm

Glulam natural elements, single groove, type 1



Standard dimension Thickness:	120, 160, 200 mm
Width:	140, 160, 180, 200 mm
Length:	6 – 18 m

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



Covered dimensions: 585 mm | Invoiced dimensions: 600 mm | Groove: 14 mm | Rabbet above: 20 x 40 mm and 20 x 50 mm

Glulam natural elements, double tongue and groove, type 3



Standard dimension Thickness:	120, 160, 200 mm
Width:	140, 160, 180, 200 mm
Length:	6 – 18 m

Glulam elements, with rabbet joint, type 5



Covered dimensions (= invoiced dimensions): 600 mm Rabbet above: 20 x 45 mm (thickness 100 - 240 mm) | Rabbet above: 20 x 20 mm (thickness 80 mm)







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.





Strength class:	C24 (pursuant to 338)
Quality:	Visual quality

Standard dimensions	
Thickness:	118, 158, 198 mm
Height:	220 mm
Length:	6 – 18 m



DUO BEAMS

The duo beams meet the highest aesthetic and design requirements. They are made of solid wood, they are visible and stable components, and have essential characteristics and advantages. Thanks to their classic beam appearance, their excellent load-bearing capacity and exquisite wood quality, they are ideal for interior installation.



Standard dimensions (Thickness x Height)		
120 x 160, 180, 200 mm		
140 x 180, 200 mm		
Length: 6 – 18 m		





The THEURL CALCULATOR uses calculation logic which makes it possible to use simple input to obtain compliant results deviating only slightly from the exact calculation. The module is used for pre-measurement, but does not constitute static testing.

This design tool currently has four modules for the following timber products:

MODULES

1	Glulam beams:
2	Glulam beams:
3	Glulam ceiling elements:
4	Glulam ceiling elements:





for Google Android and Apple iOS systems.

design module for single-span beams, horizontal fire protection certificate measurement fire protection certificate

THEURL YOUR PLAN **OUR PRECISION**

C 7 48 1, 1973

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.



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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 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 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.



WASTE WOOD

THEURL 100% USE RESOURCE-SAVING

Yesterday, they were waste products. Today, sawdust and shavings, bark, off-cuts and chippings are valuable recyclable materials. They are returned to the material circulation. Our knowledge of resource-saving raw material recovery comes from the forest. Active climate protection – a commitment to our grandchildren's generation.

WASTE WOOD CLOSES THE LOOP

BARK AND OFF-CUTS

Locally-sourced wood with high energy value. Bark and off-cuts which accumulate in the log yard, along the length of the round timber, are important raw materials both for our own biomass power plant and for the processing industry.

PRODUCT CHARACTERISTICS

Wood types:	mixed (spruce, fir, larch, pine
Piece size:	Off-cuts: 10 cm length on ave
	Bark: unground
Wood moisture content:	Freshly-sawn

WOOD CHIPPINGS

Wood chippings are the end product of shredding waste wood. Thanks to their characteristics, these little pieces of wood are the stars of the sustainable wood industry. On the one hand, they are used to generate energy; and on the other hand, they are processed for insulation and for use in the paper industry.

PRODUCT CHARACTERISTICS

Type of wood:	Spruce
Piece size:	G30 industrial wood chips
Wood moisture content:	dry 11% +/- 2,5%, or freshly s

SAWDUST AND SHAVINGS

The fresh sawdust and dry shavings are universally usable. This all-round talent is used in pellet and wood panel production, as bedding in stables, and for heating in the form of briquettes.

PRODUCT CHARACTERISTICS

Type of wood:	Spruce
Wood moisture content:	Wood shaving (dry 11% +/- 2,5
	sawdust (freshly sawn)



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,5%),

SUSTAINABLE FOREST MANAGEMENT SECURES TIMBER SUPPLIES FOR FUTURE **GENERATIONS.**

RESPONSIBLE AND SUSTAINABLE USE OF **RESOURCES** ARE PART OF OUR **CORPORATE PHILOSOPHY.**



IMPRINT

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