

Load-bearing, resilient, certified:

RETROTIMBER, the viable alternative to reclaimed wood.



**RETRO
TIMBER**

European technical assessment (ETA)

RETROTIMBER has been issued European technical assessments (ETA). ETAs certify the technical usability of a product within the meaning of the EU regulation on construction products. They are based on highly extensive tests conducted by test institutes specifically accredited for this purpose. An assessment covers all the important product characteristics of a construction product. Thanks to this procedure, we can guarantee our customers the required safety of our construction products for structural use in accordance with the requirements of the Construction Products Directive. Please also note that you do not have this safety when using common old timber products or other thermally treated woods.

RETROTIMBER has two European technical assessments.

ETA-16/0706
Structural timber

ETA-17/0393
Glued laminated timber

ETAs give construction companies the certainty of using a suitable product for structural use.

The superior alternative to old timber

RETROTIMBER combines the appearance of old timber with the structural properties of newly harvested timber – with approval from building authorities (ETA).

RETROTIMBER is specially treated timber, mainly from spruce and larch, which has the appearance of old timber while retaining structural properties that are comparable to untreated timber. The idea for RETROTIMBER originated from steamed timbers, which have been long been used, especially for decorative purposes. RETROTIMBER has the same visual properties as heavily steamed wood, but without significantly altering its original structural properties.

Compared to conventional steaming, the special RETRO treatment is much more complex and time-consuming. The timber is treated very gently in order to influence its properties as little as possible. The treatment is only intended to significantly change the appearance of the timber. Additional surface treatment (brushing, hacking), renders RETROTIMBER almost indistinguishable from old timber. Since the structural properties following treatment are known, RETROTIMBER can be structurally determined and is particularly suitable for use in structural applications.

The production process



Step 01 Quality wood as the basic requirement

Mountain wood from local, sustainably managed forests is used as the raw material for RETRO-TIMBER. To achieve the desired look, it must be selected with great expertise and passion in an elaborate sorting process. This step guarantees the consistent quality of RETROTIMBER. After carefully selecting the round timber, it is cut in the sawmill with state-of-the-art technology to suit the future application.

Step 02 RETRO treatment: unique know-how

The meticulously coordinated interaction between temperature, humidity and time leads to the desired visual transformation of the timber. The colour is what changes most in the process, giving the timber its unmistakable character. Compared to conventional steaming, the RETRO treatment process developed by our company is much more complex and time-consuming. The timber is treated very gently in order to influence its properties as little as possible.

Step 03 Wood drying

Wood drying is an essential part of our production process. Only through careful drying can the structural properties of the construction products and the quality of the products for interior finishing be guaranteed. For this reason, RETROTIMBER relies heavily on vacuum drying technology. This ensures a fast, gentle and, above all, very high-quality drying process.

Step 04 Processing – the unique character

RETROTIMBER can be provided with various surface finishes. Depending on the customer's wishes, we can plane, brush, hew or worm-finish the surfaces. The hacked surface radiates cosiness. This rustic finish is particularly popular for traditional timber constructions. The brushed surface is very popular for modern timber constructions. Brushing allows us to lend the timber surface a more refined structure.

Step 05 Quality control and delivery

Constantly monitoring the individual production steps allows us to guarantee consistently high product quality. Thanks to our many years of experience and the close cooperation with our partners, we have been able to develop an extensive network with our logistics partners. As a result, we are able to manage complicated and short-term deliveries to the satisfaction of our customers.

To the point

Calculable offcuts – we produce your old timber to measure

RETROTIMBER can be ordered and produced exactly as listed at any time. Therefore, no additional waste has to be factored in. The problem with conventional old wood is that you cannot freely choose dimensions and lengths, but are dependent on what is available. In addition, prices are rising sharply because resources are becoming increasingly scarce and old timber can often only be procured from remote areas.

Structurally calculable – use in structural applications

Due to the gentle treatment, the influence on the mechanical properties of the component is very low. Thanks to the extensive series of component tests carried out, structural calculability is given.

Suitable for CNC joinery – use in timber construction

RETROTIMBER is freely suitable for joinery using CNC machines. This means that even large-scale and complex projects can be carried out smoothly and in a cost-effective manner.

Ecologically safe – no chemical additives

For the production of RETROTIMBER, we use only water, heat and a lot of time. In our RETRO treatment, water vapour releases and washes out wood constituents. This creates the natural RETRO colour tone. Our RETRO treatment comes very close to an accelerated wood ageing process.

Six different
surface finishes
are available.



planed: very smooth surfaces,
in part glossy



brushed: fine structure,
finished with plastic brushes



hacked & brushed: very rustic finish,
virtually indistinguishable from old
hand-chopped timber



deep-brushed: rough structure,
finished with metal brushes



worm-finished: Imitation of worm-
holes by a mechanical process



rough sawn: rustic, rough surface
with a recognisable pattern
from the cut of the band saw

Some surface finishing processes cannot be applied to all products.

Product group

RETRO

The timber of our RETRO products are subjected to the special RETRO treatment. This process „ages“ the wood visually and gives it its characteristic appearance.



RETRO structural timber


Structural use 

RETRO structural timber is cut single-stem or multi-stem and sharp-edged (dry cracks possible). Particularly suitable for structural use. Strength class: C20

Type of wood	spruce / larch
Quality	Class I/III
Wood moisture	16 ± 2%
Length	3.0 m – 12.0 m (in 50 cm increments)
Charging	charged dimensions = cut dimensions
Basic surface	rough-cut
Poss. finishes	planed planed and brushed hacked and brushed deep-brushed and worm-finished
Dimensions	approx. 100 x 100 mm to 250 x 340 mm The specified dimensions refer to cut dimensions. The final dimensions are approx. 5 to 15 mm smaller due to shrinkage during drying and the selected surface finish.



RETRO glued laminated timber


Structural use 

RETRO glued laminated timber is especially suitable for structural use. Strength class: GL20

Type of wood	spruce / larch
Quality	visual quality
Wood moisture	12 ± 2%
Length	4.0 – 16.0 m (special transport required from 13.5 m)
Charging	in 40 mm increments, planing to intermediate dimensions possible
Basic surface	planed
Poss. finishes	brushed hacked and brushed
Dimensions	Width: 120, 140, 160, 180, 200, 240 mm Thickness/Height: 80 – 1000 mm (in 40 mm increments)



RETRO Duo / Trio / Quattro

Structural use 

RETRO Duo / Trio / Quattro is especially suitable for structural use. Strength class: GL20

Type of wood	spruce / larch
Quality	visual quality
Wood moisture	12 ± 2%
Length	4.0 – 16.0 m (special transport required from 13.5 m)
Charging	in 40 mm increments, planing to intermediate dimensions possible
Basic surface	planed
Poss. finishes	brushed hacked and brushed
Dimensions	Width: 80 mm (Duo), 120 mm (Trio), 160 mm (Quattro) Thickness/Height: 120, 140, 160, 180, 200, 240 mm

Structural use

RETROTIMBER has been issued the European technical assessment (ETA) for structural timber and glued laminated timber. ETAs certify the technical usability of a product within the meaning of the EU regulation on construction products.

Interior finishing / facades

These products are ideally suited for interior finishing and facades.



Lengths and dimensions made to measure on request

RETRO stock goods

To guarantee that we can respond quickly to urgent customer requests, we have standard dimensions and lengths in stock for many products. This can significantly reduce delivery times. Depending on availability and our order volume, not all dimensions and lengths are in stock at all times.



RETRO profile timber (nordic)

Interior finishing / facades 

With tongue and groove (tongue length 10 mm), with slight chamfer, planed, relief groove on the back

Type of wood	nordic spruce
Quality	A/B
Wood moisture	12 ± 2%
Length	5.1 m
Charging	charged dimension = tongue width
Basic surface	planed
Poss. finishes	brushed hacked and brushed
Dimensions	TW 19 x 196 mm (CW 19 x 186 mm) TW 24 x 196 mm (CW 24 x 186 mm)



RETRO profile timber (local sources)

Interior finishing / facades  

With tongue and groove (tongue length 10 mm), with slight chamfer, planed, relief groove on the back

Type of wood	spruce / larch from local sources
Quality	A/B
Wood moisture	12 ± 2%
Length	4.0 and 5.0 m
Charging	charged dimension = tongue width
Basic surface	planed
Poss. finishes	brushed hacked and brushed
Dimensions, spruce	TW 19 x 196 mm (CW 19 x 186 mm) TW 24 x 166 mm (CW 24 x 156 mm) TW 24 x 196 mm (CW 24 x 186 mm) TW 24 x 240 mm (CW 24 x 230 mm)
Dimensions, larch	TW 19 x 196 mm (CW 19 x 186 mm) TW 24 x 166 mm (CW 24 x 156 mm) TW 24 x 196 mm (CW 24 x 186 mm)

TW = tongue width | CW = cover width



RETRO smooth-edge board

Interior finishing / facades  

Planed on 4 sides, slight chamfer, without relief groove

Type of wood	spruce / larch from local sources
Quality	A/B
Wood moisture	12 ± 2%
Length	5.0 m
Charging	charged dimension = final dimension
Basic surface	planed
Poss. finishes	brushed hacked and brushed
Dimensions	24 x 196 mm



RETRO rustic formwork

Interior finishing / facades 

Hacked side, cut from RETRO square timber (back and narrow sides rough-cut), rustic formwork, unprofiled, partly with wane

Type of wood	spruce / larch from local sources
Quality	A/C
Wood moisture	12 ± 2%
Length	5.0 m
Charging	charged dimension = final dimension
Basic surface	hacked and brushed
Dimensions	40 x 160 mm 40 x 200 mm



RETRO alpine formwork

Interior finishing / facades  

With tongue and groove, with light chamfer

Type of wood	spruce / larch
Quality	A/C
Wood moisture	12 ± 2%
Length	4.0 m and 5.0 m
Charging	charged dimension = tongue width
Basic surface	planed
Poss. finishes	deep-brushed worm-finished
Dimensions, spruce	TW 19 x 185 mm (CW 19 x 175 mm) * TW 42 x 185 mm (CW 42 x 170 mm) **
Dimensions, larch	TW 19 x 196 mm (CW 19 x 186 mm) * TW 24 x 196 mm (CW 24 x 186 mm) *

* Single groove: tongue length 10 mm
** Double groove: tongue length 15 mm



RETRO square timber

Interior finishing / facades  

RETRO square timber is mostly single-stemmed and partly with a wane (extensive cracking). RETRO square timber is especially suitable for decorative use.

Type of wood	spruce / larch
Quality	Class I/IV
Wood moisture	12 ± 2%
Length	4.0 and 5.0 m
Charging	charged dimensions = cut dimension
Basic surface	hacked and brushed
Dimensions	120 x 120 mm 120 x 180 mm 150 x 150 mm 180 x 180 mm

The specified dimensions refer to cut dimensions. The final dimensions are approx. 5 to 10 mm smaller due to shrinkage during drying and the surface finish.

TW = tongue width | CW = cover width



RETRO 3-layer panel

Interior finishing  

Crosswise structure – therefore dimensionally stable. The layers for the RETRO 3-layer panel are produced from RETRO square timber and sorted by hand.

Type of wood	spruce / larch
Quality	Rustic (C/C)
Thickness	19 mm
Format	1210 x 5000 mm
Charging	charged dimension = panel dimension
Poss. finishes	brushed hacked and brushed deep-brushed and worm-finished
Note	RETRO 3-layer panels are only suitable for indoor applications. Gluing carried out only after the single board is finished. This creates an overall look that is authentic and rustic on the one hand, yet balanced on the other.



RETRO 1-layer panel

Interior finishing 

The layers are produced from centre-split raw material. This gives the panel surface a board character.

Type of wood	spruce / larch
Quality	Rustic (C/C)
Thickness	19 mm
Format	1210 x 4000 mm
Charging	charged dimension = panel dimension
Basic surface	sanded
Poss. finishes	brushed hacked and brushed
Note	RETRO 1-layer panels are only suitable for indoor applications.



RETRO joinery timber

Interior finishing / facades 

RETRO joinery timber is mainly used in furniture, stair and Edged, rough-cut window production. Butt, unedged (fixed widths on request).

Type of wood	spruce / larch from local sources
Quality	0/I and I/III
Wood moisture	10 ± 2%
Thickness	30 / 36 / 40 / 50 / 60 mm
Width	unedged product
Length	4.0 to 5.0 m
Charging	dry dimension
Basic surface	rough-cut



RETRO sawn timber

Interior finishing / facades

Edged, rough-cut

Type of wood	spruce / larch
Quality	I/III
Wood moisture	12 ± 2%
Length	4.0 m and 5.0 m
Charging	charged dimension = dry dimension
Dimensions	24 x 200 mm 28 x 200 mm 36 x 200 mm 48 x 133 mm * 48 x 153 mm * 48 x 173 mm * 48 x 193 mm * 48 x 213 mm * 48 x 253 mm *

* Length 4.0 m only



Product group

NATUR

Our NATUR products are not RETRO treated. Their surface retains their natural wood colour. The same surface finishes (e.g. hacked and brushed) are available for selection as for our RETRO products.



NATUR structural timber

Structural use 

NATUR structural timber is cut single-stem or multi-stem and sharp-edged (dry cracks possible). Particularly suitable for structural use. Strength class: C24

Type of wood	spruce / larch
Quality	I/III
Wood moisture	16 ± 2%
Length	3.0 – 12.0 m (in 50 cm increments)
Charging	charged dimensions = cut dimension
Basic surface	rough-cut
Poss. finishes	planed planed and brushed hacked and brushed
Dimensions	approx. 100 x 100 mm to 250 x 340 mm The specified dimensions refer to cut dimensions. The final dimensions are approx. 5 to 15 mm smaller due to shrinkage during drying and the selected surface finish.



NATUR glued laminated timber

Structural use 

NATUR glued laminated timber is especially suitable for structural use. Strength class: GL24 (other strengths possible on request)

Type of wood	spruce / larch
Quality	visual quality
Wood moisture	12 ± 2%
Length	4.0 – 16.0 m (special transport required from 13.5 m)
Charging	in 40 mm increments, planing to intermediate dimensions possible
Basic surface	planed
Poss. finishes	brushed hacked and brushed
Dimensions	Width: 80, 100, 120, 140, 160, 180, 200, 240 mm Thickness/Height: 80 – 1000 mm (in 40 mm increments)



NATUR Duo / Trio / Quattro

Structural use 

NATUR Duo / Trio / Quattro is especially suitable for structural use. Strength class: GL24 (other strengths possible on request)

Type of wood	spruce / larch
Quality	visual quality
Wood moisture	12 ± 2%
Length	4.0 – 16.0 m (special transport required from 13.5 m)
Charging	in 40 mm increments, planing to intermediate dimensions possible
Basic surface	planed
Poss. finishes	brushed hacked and brushed
Dimensions	Width: 80 mm (Duo), 120 mm (Trio), 160 mm (Quattro) Thickness/Height: 120, 140, 160, 180, 200, 240 mm

Structural use


The products are manufactured in accordance with EN-14080 for glued laminated timber and EN-14081 for structural timber.

Interior finishing / facades

These products are ideally suited for interior finishing or facades.



Lengths and dimensions made to measure on request

 NATUR stock goods

To guarantee that we can respond quickly to urgent customer requests, we have standard dimensions and lengths in stock for many products. This can significantly reduce delivery times. Depending on availability and our order volume, not all dimensions and lengths are in stock at all times.



NATUR profile timber (local sources)

Interior finishing / facades  

With tongue and groove (tongue length 10 mm), with slight chamfer, planed, relief groove on the back

Type of wood	spruce / larch / Swiss pine (local sources)
Quality	A/B
Wood moisture	12 ± 2%
Length	4.0 and 5.0 m (Swiss pine in 4.0 m only)
Charging	charged dimension = tongue width
Basic surface	planed
Poss. finishes	brushed hacked and brushed
Dimensions, spruce	TW 19 x 196 mm (CW 19 x 186 mm) TW 24 x 196 mm (CW 24 x 186 mm)
Dimensions, larch	TW 19 x 196 mm (CW 19 x 186 mm) TW 24 x 196 mm (CW 24 x 186 mm)
Dimensions, Swiss pine	TW 19 x 116 mm (CW 19 x 106 mm) TW 19 x 146 mm (CW 19 x 136 mm)



NATUR 3-layer panel

Interior finishing / facades 

Crosswise structure – therefore dimensionally stable, closed surface, raw material from local sources

Type of wood	spruce / larch / Swiss pine
Quality	A/B
Thickness	19 mm
Format	1020 x 5000 mm (spruce / larch) 1210 x 2000 – 4000 mm (Swiss pine)
Charging	charged dimension = panel dimension
Basic surface	sanded
Poss. finishes	brushed hacked and brushed



NATUR 1-layer panel

Interior finishing 

1-layer panels are mainly used in furniture construction, closed surface, raw material from local sources

Type of wood	spruce / larch / Swiss pine
Quality	A/B
Thickness	19 mm
Format	1210 x 5000 mm (spruce / larch) 1210 x 2000 – 4000 mm (Swiss pine)
Charging	charged dimension = panel dimension
Basic surface	sanded
Poss. finishes	brushed hacked and brushed
Note	NATUR 1-layer panels are only suitable for indoor applications.



TW = tongue width | CW = cover width



Chalet Grand Flüh
Austria

Products: *RETRO structural timber, RETRO spruce formwork*
Construction company: Holzbau Naturbau Gschwend, Vils
www.chalet-grand-flueh.at



Hygna Chalets
Austria

Products: *RETRO spruce glued laminated timber (GLT), RETRO spruce profile timber*
Construction company: Holz Center Ortner
www.hygna.at



Benglerwald
Austria

Products: RETRO spruce construction timber, RETRO spruce glued laminated timber, RETRO spruce profile timber, RETRO larch construction timber, RETRO larch glued laminated timber, RETRO larch profile timber
Construction company: Gschwendbau GmbH
www.lech-chalets.at



Single-family home in Sistrans
Austria

Products: RETRO spruce glulam
Construction company: Holzbau Wegscheider, Pill



Single-family home in Brandnertal
Austria

Products: RETRO glulam, RETRO structural timber, RETRO larch profile timber
Construction company: Zimmerei Josef Müller KG, Brand



Single-family home in Fulpmes
Austria

Products: RETRO spruce glulam
Planning: snow architektur, Innsbruck
Construction company: Schafferer Holzbau GmbH, Navis



Ortner Holz office
Austria

Products: RETRO larch glued laminated timber, RETRO larch construction timber, RETRO larch three-layer panel
Construction company: Buchner Holzbau, Jakob Holzmanufaktur
www.ortner-holz.at

Jular



www.jular.pt

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