## CONNECTORS – for quick construction of CLT walls

Wood connectors from Hilti and STEXON for quick and efficient construction of prefabricated best wood CLT XL – WALLS.
The connectors are already installed at the best wood Schneider factory and then delivered to the construction site "ready for construction". **Price for drilling, installation and connectors always by request.**

**Hilti HCW connector**

**Stexon connector**

| Item no. | Designation | UP |
|---|---|---|
| 6250HILTI-HCW | **Hilti HCW** 37x45 M12 for shear and tensile loads, drilling diameter 37mm for the connector | Piece |
| 6250HILTI-HCWS | **Hilti HCW-S** 37x45 for shear loads, drilling diameter 37mm for the connector | Piece |
| 6250HILTI-HCW-UP | **Hilti HCW-UP** Positioning guide for wood-to-wood joints; drilling diameter 37 mm for the connector | Piece |
| 6250HILTI-HCWL | **Hilti HCW-L** 40x295 M12 heavy-duty anchor for high tensile loads | Piece |
| 6251STEXONmk | **STEXON mk** S45-M12 for shear and tensile loads with drilling diameter 40 mm for the connector | Piece |
| 6251STEXONok | **STEXON ok** S45-M12 for shear loads with drilling diameter 40 mm for the connector | Piece |
| 6251STEXONL | **STEXON L** S40-M12 for shear and tensile loads with drilling diameter 40 mm for the connector | Piece |

## LIFTING STRAP

One or more straps per element can be led through the wall elements using drill holes, and used as attachment elements. The attachment variants, tilt angles and maximum load-bearing capacities which are possible must be clarified. The positions of the drill holes must be defined in consultation with the work scheduling department. **Further information and prices by request.**

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6234HEBEBAND | Disposable lifting strap | 1 strap | Piece |

**Certificates** (Download at www.schneider-holz.com)

# Lifting systems / Turning system

**We can drill the holes for the following lifting systems in the factory.**
You can speak to the respective manufacturer about the lifting system itself.
A detailed description of the lifting systems can be found in the Technical information CLT at *www.schneider-holz.com/downloads*.

Note: The usage instructions of the respective manufacturer (e.g. check drill hole) must be observed before lifting the elements using lifting/turning systems.

**rothoblass
WASP**

**RAPID T-LIFT**

**WÜRTH
Transportation anchor**

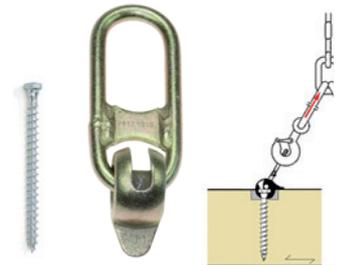**Other lifting systems on request**

## WÜRTH LIFTING SYSTEM

Minimum wood thickness: with planar lifting ≥ 120 mm, with frontal lifting ≥ 160 mm (with locking screw)
The transport anchoring screw is installed countersunk in the element by approx. 10 mm using bit insert AW40.

Note: The usage instructions of the respective manufacturer (e.g. check drill hole) must be observed before lifting the elements using lifting/turning systems.

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6206TRANSPORTANKER | Transportation anchor | 2 pieces | 2 pieces |
| 6203SCHRAUBE12x100/60 | Transportation anchor screw 12x100/60 | 50 pcs./pack | pack |
| 6203SCHRAUBE12x120/100 | Transportation anchor screw 12x120/100 | 50 pcs./pack | pack |
| 6203SCHRAUBE12x160/145 | Transportation anchor screw 12x160/145 | 50 pcs./pack | pack |
| 6204BITEINSATZ | Bit insert AW40 mm | 1 pieces | Piece |
| 6204WÜRTH-BOHRUNGEN | Drill hole Würth lifting systems | 1 pieces | Piece |

# Fasteners

## X-fix® C

X-fix® C is a two-piece, self-tightening wood-wood connector for compression and tension-proof connection of CLT ceilings and walls. X-fix® C is a wedge-shaped dovetail wood-wood connector. The X-fix® C wedge shape even clamps large-format ceiling panels or wall parts in a self-tightening, form-fitting way. The advantages of X-fix® C: Fast installation, form-fitting connection is ideal for visible surfaces, no panel tighteners required for ceiling connections, and thanks to the wedge shape, X-fix® C even clamps large-format ceiling panels together in a self-tightening way, no metal in the pure wood-wood connection.
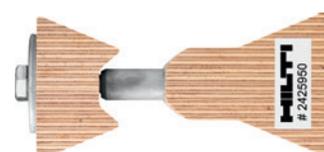
| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6209X-FIX | X-fix® C 96/130/90 | 1 pieces | Piece |
| 6209X-FIX-BOHRUNGEN | Drill hole for X-fix (both sides) | 1 pieces | Piece |

**Note:** Only with CLT in conjunction with a tongue & groove connection possible

## Hilti HTC-P2P timber construction connector

The HTC-P2P timber construction connector is a connector system for aligning and fastening cross-laminated timber elements in solid timber construction. The connector replaces the classic beam tie during assembly and, in combination with the M12 SW19 eccentric adapter, enables simultaneous alignment and fastening of the cross-laminated timber elements. For corrections during assembly or for later dismantling, the HTC-P2P connector can be removed without causing damage. With the European Technical Assessment ETA-24/1199, the HTC-P2P is approved for static and seismic applications. The connector is suitable for transferring high shear and tensile loads in the plane of the panel.

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6250HILTI-HTC-P2P | Timber construction connector HTC-P2P 90mm M12 | 1 pieces | Piece |
| 6250HILTI-HTC-P2PBohrung | drilling for für HTC-P2P (both sides) | 1 pieces | Piece |
| 6250HILTI-ADAPTER-M12-SW19 | Adapter M12 SW19 eccentric attachment | 1 pieces | Piece |

**Note:** only possible with CLT in conjuction with a tongue and groove connection

## HECO-TOPIX® plus

Full-thread screw with cylinder head, ETA-19/0553 for a cross screw connection at the ceiling element joint creating a static ceiling section. Verification possible via best wood STATICS.

| Item no. | Delivery form | PU | UP |
|---|---|---|---|
| 6229ZK6/160 | 6 x 160 mm | 100 pcs./pack | pack |

# Soundproofing

## best wood BOUNDSPLITT

best wood BOUNDSPLITT is a chippings binder for manufacturing a flexibly bound chippings filling for improving the soundproofing of wooden ceilings.

best wood BOUNDSPLITT remains flexible after drying, and is therefore acoustically comparable with the best wood CHIPPINGS in the best wood HONEYCOMB. Filling heights of 30 to 120 mm can be realised. Approximately 0.2 kg of binder is needed with dry 5/8 chippings per m² and filling height of 10 mm. The drying time under optimum conditions and dry chippings is approx. 8 days for a filling height of 80 mm. The mixture of chippings binder and chippings can be applied with a screed pump.

best wood BOUNDSPLITT will keep for 12 months. The storage temperature must be no less than 5°C. The processing temperature is 5° C to 35° C.

More information about processing can be found in the technical data sheet at www.schneider-holz.com. Acoustically tested component structures with best wood BOUNDSPLITT can be found in the component database on our web site.

Transportation charges on request.

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6220BOUNDSPLITT | BoundSplitt canister | 20 kg | kg |
| 6220BOUNDSPLITTIBC | BoundSplitt IBC container | 1000 kg | kg |

## best wood HONEYCOMB 30/60

HONEYCOMB is a honeycomb board made from cardboard which prevents the best wood CHIPPINGS from moving or shifting. Laying the chippings directly on the honeycomb provides a consistent layer thickness.

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6221WABE30 | best wood HONEYCOMB 30 | 1.5 m²/board, 30 boards/pallet | m² |
| 6221WABE60 | best wood HONEYCOMB 60 | 1.5 m²/board, 15 boards/pallet | m² |

Filling quantity of best wood CHIPPINGS in best wood HONEYCOMB 30/60: HONEYCOMB 30 approx. 42 kg/m² | HONEYCOMB 60 approx. 84 kg/m²

## best wood CHIPPINGS

best wood CHIPPINGS consist of a grain made from natural calcium carbonate, which is manufactured using state-of-the-art grinding and drying systems and sieving machines. It is used for putting into the best wood CLT BOX – CEILING FS and as ballast in best wood ceiling elements.
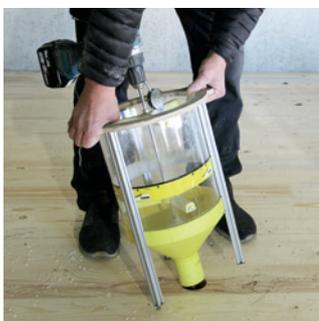
| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6220SCHUETTUNG | best wood CHIPPINGS bag | 25 kg/bag, 40 bags/pallet | Bag |
| 6220SCHUETTUNGBIGBAG | best wood CHIPPINGS Big Bag | 1000 kg/Big Bag on pallet | Big Bag |

Delivery of best wood CHIPPINGS in loose form in silo vehicle by request.

# best wood EASY FILL

best wood EASY FILL makes easy and quick filling of best wood CHIPPINGS in a predefined quantity into the CLT BOX – CEILING FS possible.

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6231EASYFILLPFAND | best wood EASY FILL deposit | 1 piece | Piece |



Place the EASY FILL filling aid over the opening of the CLT BOX – CEILING FS

Pour in 1/2 bag of chippings

If the chippings are delivered in Big-Packs, pour in the chippings up to the mark = 12.5 kg

Put the chippings into the CLT BOX – CEILING FS using a cordless screw-driver **and low speed**.

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# Vapor barrier and airtight sealing membrane / Adhesive tapes
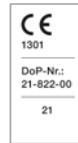
## WETGUARD® 200 SA 390 or 1560 mm

Rain-proof and robust membrane that is self-adhesive over its entire surface for reliable moisture protection of wooden elements during transport, installation and construction time.

### Field of application
Indoors and outdoors

### Advantages
Fleece with non-slip coating and adhesive application over the entire surface. Transparent, robust and resistant to friction wear.

| | |
|---|---|
| $s_d$ value | 3.5 m |
| Reaction to fire | E |
| Outdoor weather exposure | 3 months |
| Watertight | W1 |
| Temperature resistance | -40°C to +80°C |

| Item no. | Roll length | Roll width | Area | Roll weight |
|---|---|---|---|---|
| 6233SIGAWETGUARD390 | 50 m | 390 mm | 19.6 m²/roll | 6.2 kg |
| 6233SIGAWETGUARD1560 | 50 m | 1560 mm | 78 m²/roll | 24.6 kg |

## TESCON VANA

Multi-purpose adhesive tape with fleece back

### Field of application
Can be used to form a secure and permanent seal on overlaps between foil and fleece membranes (vapor barriers and airtight sealing membranes, roof underlays and wall membranes) and joins between them. It is also suitable for sealing butt joints between wood-based material panels.

### Advantages
Long-lasting sealed bonds, indoors and outdoors; with pliable fleece backing; can be torn off by hand; for airtight bonds in accordance with DIN 4108-7, SIA 180 and ÖNorm B8110-2; high initial adhesiveness: extremely high final adhesion; waterproof adhesive.

developed and produced by pro clima

| | |
|---|---|
| Backing | Special PP fleece |
| Separating layer | Siliconized paper |
| Temperature resistance | Long term −40 °C to +90 °C |
| Processing temperature | From −10 °C |
| Outdoor weather exposure | 6 months |

| Item no. | Roll length | Roll width | Contents | KG / PU |
|---|---|---|---|---|
| 6102TESCONVANA60 | 30 m | 60 mm | 20 rolls/carton | 12 kg |
| | | | 1 roll | 0.6 kg |
| 6102TESCONVANA150 | 30 m | 150 mm | 2 rolls | 3 kg |

## best wood ADHESIVE TAPE

Professional adhesive tape, self-adhesive on one side

### Field of application
For masking the element joints and penetrations of all elements that are coated with AQUA PROTECT. The ADHESIVE TAPE is also used for all masking work on the best wood SEALING LEVEL FOR WINDOW SILLS.

### Advantages
Permanently sealed bonding; strong adhesion, UV stable and ageing resistant.

| | |
|---|---|
| Backing | LDPEco film, white |
| Separating layer | Siliconized paper |
| Temperature resistance | −30 °C to + 100 °C |
| Processing temperature | +5 °C |
| Outdoor weather exposure | 2 years UV-resistant |

| Item no. | Roll length | Roll width | Contents | KG / PU |
|---|---|---|---|---|
| 6235KLEBEBAND60 | 30 m | 60 mm | 10 rolls/carton | 8.5 kg |
| | | | 1 roll | 0.85 kg |
| 6235KLEBEBAND100 | 30 m | 100 mm | 6 rolls/carton | 8.5 kg |
| 6235KLEBEBAND180 | 30 m | 180 mm | 4 rolls/carton | 10.0 kg |

# Lighting systems

## Description

Nowadays the solution in many areas consists of LEDs, whose efficiency is enhanced by intelligent light controls and innovative operating devices. The new, dimmable LED lighting systems for our ceiling and roof systems are high quality, and impress with their timeless design. This guarantees that you will realize long-lasting lighting ideas. Suitable holes drilled in the factory make installation child's play, the lamps just need to be cabled and clipped in place.

## ■■ RECESS MOUNTED LIGHTS

### LED 170

The lighting systems are coordinated with our best wood GLULAM and CLT ceilings and CLT BOX, and can be supplied ready-drilled with the relevant holes at an additional cost.

Even light distribution over the entire light outlet surface.
Dimmable with a trailing edge dimmer.

The lights are only suitable for indoors and for connecting to safety extra-low voltage.

White          Matt titanium

| Wattage [Watt] | 11 |
|---|---|
| Connection voltage [Volts] | 230 |
| Lamp | SMD LED |
| Light colour | Warm white |
| Colour temperature [Kelvin] | Approx. 3000 K |
| Luminous flux [Lumen] | 840 lm |
| Colour rendering | Ra > 80 |
| Material | Aluminum/PMMA diffusor disk |
| Operating device (transformer) | Included (packaged separately) |
| Dimmable | yes |
| Degree of protection | IP20 |
| Installation depth | 55 mm with best wood ceiling systems |
| External diameter | 170 mm |

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6222-170RW | LED 170 white | 1 pc. | Piece |
| 6222-170RTM | LED 170 matt titanium | 1 pc. | Piece |
| 6222-170R-BOHRUNGEN | Drill holes for LED 170 | 1 pc. | Piece |

### LED 90 spot

The lighting systems are coordinated with our best wood GLULAM and CLT ceilings and CLT BOX, and can be supplied ready-drilled with the relevant holes at an additional cost.

The reflector is made from real glass, and the lighting system is dimmable with a trailing edge dimmer.

The lights are only suitable for indoors and for connecting to safety extra-low voltage.

White          nickel brushed

| Wattage [Watt] | 8 |
|---|---|
| Connection voltage [Volts] | 230 |
| Lamp | COB LED |
| Light colour | Warm white |
| Colour temperature [Kelvin] | Approx. 3000 K |
| Luminous flux [Lumen] | 850 lm |
| Colour rendering | Ra > 90 |
| Material | Diecast aluminum/real glass reflector |
| Radiation angle, swivelling | 38 degrees |
| Operating device (transformer) | Included (packed with spot) |
| Dimmable | yes |
| Degree of protection | IP40 |
| Installation depth | 75 mm with best wood ceiling systems |
| External diameter | 90 mm |

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6222-90SPOTW | LED 90 Spot white | 1 pc. | Piece |
| 6222-90SPOTN | LED 90 Spot nickel brushed | 1 pc. | Piece |
| 6222-90SPOT-BOHRUNGEN | Drill holes for LED 90 Spot | 1 pc. | Piece |

ACCESSORIES

# LED 90 FireSpot

Even demanding lighting tasks can be solved without problems with the LED 90 FireSpot, thanks to the high light output. Installation in the BS3700TC fire protection box fulfils the requirements for fire protection shielding in a best wood ceiling element with a fire resistance duration of 60 minutes.

The LED 90 FireSpot can only be purchased in combination with a BS3700TC fire protection box.

The lighting systems are coordinated with our best wood GLULAM, CLT and CLT BOX ceiling elements, and can be supplied ready-drilled with the relevant holes at an additional cost.



White          nickel brushed

| Wattage [Watt] | 7 |
|---|---|
| Connection voltage [Volts] | 230 |
| Lamp | LED |
| Light colour | Warm white |
| Colour temperature [Kelvin] | 3000 K |
| Luminous flux [Lumen] | 650 lm |
| Colour rendering | Ra > 80 |
| Material | Aluminum |
| Operating device (transformer) | incl. |
| Dimmable | yes |
| Degree of protection | IP44 |
| Installation depth | with fire protection box 62 mm |
| External diameter | 90 mm |

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6222-90FSPOTW-BS3700TC | LED 90 FireSpot, white, including BS3700TC fire protection box | 1 pc. | Piece |
| 6222-90FSPOTN-BS3700TC | LED 90 FireSpot, nickel brushed, including BS3700TC fire protection box | 1 pc. | Piece |
| 6222-90FSPOT-BOHRUNGEN | Drill holes for LED 90 FireSpot | 1 pc. | Piece |

## BS3500TC fire protection box

The BS3700TC is a fire protection box which has been developed for installation in solid wood ceilings and walls, for fire protection shielding up to EI60.

Due to the newly developed and patented f-tronic® TC fastening system with claw, the box can be quickly and easily attached in the solid wood. The intumescent material seals the opening in the event of a fire.

## ▪▪ SURFACE MOUNTED LIGHTS

The surface mounted lighting systems are tailored to our best wood GLULAM, CLT and CLT BOX ceilings, and can be directly attached to the ceiling.
Even light distribution over the entire light outlet surface and the lights are dimmable with a trailing edge dimmer. The lights are only suitable for indoors and for connecting to safety extra-low voltage.

- Very low installation height of just 15 mm
- Elegant design
- Different colour temperatures possible
- Integrated transformer

## LED 165 | 217

The colour temperature with all models is adjustable between 3000, 4000 or 5000 Kelvin.

White          nickel brushed

| Item no. | Designation | PU | UP |
|----------|-------------|----|----|
| 6226-165RW | LED 165 white | 1 pc. | Piece |
| 6226-217RW | LED 217 white | 1 pc. | Piece |
| 6226-165RN | LED 165 nickel brushed | 1 pc. | Piece |
| 6226-217RN | LED 217 nickel brushed | 1 pc. | Piece |

| | |
|---|---|
| Wattage [Watt] | 12 (LED 165) or 18 (LED 217) |
| Connection voltage [Volts] | 230 |
| Lamp | SMD LED |
| Light colour | Warm white - neutral white |
| Colour temperature [Kelvin] | 3000, 4000, 5000 K (adjustable) |
| Luminous flux [Lumen] | 1000 or 1700 lm |
| Colour rendering | Ra > 80 |
| Material | Aluminum/plastic |
| Operating device (transformer) | integrated |
| Dimmable | yes |
| Degree of protection | IP20 |
| Installation height | 15 mm |
| External diameter | 165 mm or 217 mm |

# Colour finishing from the factory

## COLOUR FINISHING + UV PROTECTION

### Description

Building elements with mineral paint or the colourless UV-protect paint applied, for internal application, are delivered ready picked to the construction site. The colours impress with their appealing look and longevity. All best wood glazes retain the diffusion-open characteristics of the wood and provide a good room and living climate. The coated elements are available in a sanded look.

### Characteristics

Water-based
Without solvents and plasticisers
Diffusion-open
Sustainable
For a good indoor and living climate

### Colour variants

UV-protect

soft white

alpine white

light grey

### Remarks

The representations of colours and products may differ from the actual colouring. Wood is a natural product. Colour deviations due to differences in structure and grain are possible and typical.

**Further colours available by request.**

# Accessories for ceiling finishing

## Soft wax

Soft wax for surface correction of the best wood painted ceilings for repairing scratches, cracks, holes and dents in the surface area. Coordinated with the best wood colour variants.

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6213WACHSF | Soft wax colourless | 2 pcs./pack | pack |
| 6213WACHSUV | Soft wax UV-protect | 2 pcs./pack | pack |
| 6213WACHSZW | Soft wax soft white | 2 pcs./pack | pack |
| 6213WACHSEW | Soft wax alpine white | 2 pcs./pack | pack |
| 6213WACHSLG | Soft wax light grey | 2 pcs./pack | pack |

## Soft wax spatula

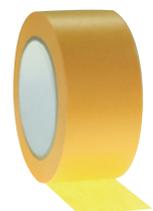Soft wax spatula for applying and modelling soft wax during surface correction.

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6214WACHSSPACHTEL | Soft wax spatula | 1 pieces | Piece |

## best wood CEILING TAPE

Ceiling tape for masking all best wood painted ceilings. The ceiling tape is available with a width of 50 mm, and prevents adhesive residue on the varnished surfaces. 50 running metres per roll.

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6210DECKENTAPE | best wood ceiling tape | 50 rmt/roll | Roll |

# Colours for processing at home

**NEW! Improved formula!**

## TIMBERCOLOR

**Timbercolor is used for finishing the ceiling elements in the interior**.
The glaze was developed as an environmentally friendly 2-in-1 industrial product for coating visible wooden components indoors and also for outdoor areas not exposed to the weather, e.g. cross-laminated timber (CLT) or glued laminated timber (GLT). Timbercolor provides an attractive and transparent finish that emphasises the natural charm of the wood.

**New improved formula:**

**Robust:** The newly revised and improved TIMBERCOLOR ensures that the colour is durable and withstands the everyday requirements.

**Easy care:** TIMBERCOLOR can be wiped over and cleaned effortlessly, whereby the colours remain clean and appealing.

**Application:** For corrections to our ceiling elements and, thanks to the new formula, also for heavily used surfaces such as columns, pillars and beams.

| Item no. | Designation | PU | UP |
|---|---|---|---|
| 6228TCUV1,0 | TIMBERCOLOR - UV-protect | 1.0 l | Litre |
| 6228TCUV2,5 | TIMBERCOLOR - UV-protect | 2.5 l | Litre |
| 6228TCUV5,0 | TIMBERCOLOR - UV-protect | 5.0 l | Litre |
| 6228TCUV10,0 | TIMBERCOLOR - UV-protect | 10.0 l | Litre |
| 6228TCZW1,0 | TIMBERCOLOR - soft white | 1.0 l | Litre |
| 6228TCUZW2,5 | TIMBERCOLOR - soft white | 2.5 l | Litre |
| 6228TCTZW5,0 | TIMBERCOLOR - soft white | 5.0 l | Litre |
| 6228TCTZW10,0 | TIMBERCOLOR - soft white | 10.0 l | Litre |
| 6228TCEW1,0 | TIMBERCOLOR - alpine white | 1.0 l | Litre |
| 6228TCUEW2,5 | TIMBERCOLOR - alpine white | 2.5 l | Litre |
| 6228TCEW5,0 | TIMBERCOLOR - alpine white | 5.0 l | Litre |
| 6228TCEW10,0 | TIMBERCOLOR - alpine white | 10.0 l | Litre |
| 6228TCLG1,0 | TIMBERCOLOR - light grey | 1.0 l | Litre |
| 6228TCULG2,5 | TIMBERCOLOR - light grey | 2.5 l | Litre |
| 6228TCLG5,0 | TIMBERCOLOR - light grey | 5.0 l | Litre |
| 6228TCLG10,0 | TIMBERCOLOR - light grey | 10.0 l | Litre |

ACCESSORIES

**MESSKIRCH**

**EBERHARDZELL**

**MÄRSTETTEN**

## Eberhardzell site

best wood SCHNEIDER GmbH
Kappel 28 | D-88436 Eberhardzell
Phone      +49 (0)7355 9320-0
Fax         +49 (0)7355 9320-300

## Subsidiary Meßkirch

best wood SCHNEIDER GmbH
Industriepark 16 | D-88605 Meßkirch
Phone      +49 (0)7355 9320-8000
Fax         +49 (0)7355 9320-300

## Subsidiary Switzerland

best wood SCHNEIDER GmbH
Weinfelderstrasse 29A | CH-8560 Märstetten
Phone      +41 (0)71 918 79 79
Fax         +41 (0)71 918 79 78

## Good for nature, good for us all. Tested & certified.

The Schneider company group is a regionally operating family-run company with headquarter in Eberhardzell. At the highest technical level, we produce all supporting wood components and wood fiber insulation boards for modern wood and passive house construction and pellets for ecological heating.

From round wood to finished product including energy requirement, we implement everything in a closed raw material cycle in our production facilities in Southern Germany. best wood Schneider realises energy-efficient production in accordance with DIN ISO 50001 when doing this. The wood raw material is utilised 100 % to the last chip.

PEFC

IBR