

Building Green Copenhagen – Extended Sustainability Document

This form is intended for exhibitors with physical products and solutions within the sustainable construction sector.

The document is divided into two categories that you must respond to.

1. Company level

2. Product level

(To answer the following, it may be helpful to involve your production manager, environmental/sustainability manager, CSR/HR manager, etc.)

The document will be used to visually present your company and product/service profile at the event. Your complete responses will be made available to conference participants via QR code and download.

General information

Company name	KLH Massivholz GmbH
Contact person	Anastasija Grubere
Name of product/solution	KLH® - CLT (Cross Laminated Timber)
Short description of product/solution	Cross Laminated Timber is made from timber lamellae- typically spruce- which are stacked in layers that are arranged perpendicular to each other and then bonded under high pressure using formaldehyde free adhesives to form large-format structural building components with bi-axial qualities.

1. Company level

<p>Are you ISO14001 certified? If yes – insert a link to the certificate.</p> <p>Please show/attach your policies regarding: Environment, CSR, Energy, Sustainability, Procurement</p> <p>Please insert links to: Code of Conduct UN Global Compact CSRD report (or alternatively voluntary environmental report, climate report according to GHG protocol)</p>	<p>Yes https://www.klh.at/wp-content/uploads/2019/09/klh-certificate-iso-14001.pdf</p> <p>see: https://www.klh.at/en/company/ and https://www.klh.at/wp-content/uploads/2019/10/klh-epd-2023.pdf</p> <p>for internal use only not applicable our current sustainability report can be requested via the ESG Data Hub platform of Oesterreichische Kontrollbank AG – see: https://my.oekb.at/oekb-esgdatahub/nologin</p>
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2. Product level	
2a. Production	
Where in the world is your product/its components manufactured?	Austria
Are any or all of your raw materials/components recycled or surplus materials from other productions/activities?	No recycled raw materials/components; Partially surplus materials from other productions (sawmills, glulam producers);
If partially: What proportion is recycled or surplus material?	< 10 %
Do you produce using renewable energy? Do you generate it yourself or purchase credits?	Yes – 100% green electricity, partially generated by our own solar panels, the remaining energy is purchased locally
Does your product contain electrical or electronic components? And where are they produced?	No
Biodiversity – how do you manage biodiversity at and around your production site(s)?	According to “FSC core labour requirements”, valid FSC-certificate see: https://www.klh.at/wp-content/uploads/2019/09/fsc-katsch-engl.pdf
Packaging – what type of packaging is used for your product? And in what quantities? (e.g., weight of packaging vs. product weight)	Wrapping as a moisture protection during transportation (PE foil), 0,23 weight-% versus the product, see EPD: https://www.klh.at/wp-content/uploads/2019/10/klh-epd-2023.pdf
How much waste do you generate in your production? How is it measured? (percentage of production, quantity, etc.)	Mainly wood waste (chips and particles) from the production process, see EPD: https://www.klh.at/wp-content/uploads/2019/10/klh-epd-2023.pdf
What do you do with waste or surplus materials from your production and activities? (e.g., surplus heat to district heating, food waste from canteen to biogas, workwear to new textiles)	Wood waste is PEFC-certified and sold to other companies (for pellets production or district heating)
Do you have off-take agreements for your waste? Who collects it and how is it processed?	Yes, off-take agreements for wood waste are regularly negotiated and renewed. Other waste is disposed of in a controlled manner.

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Other relevant input for this section?	no
2b. Resources – Raw Materials, Waste, Residual Fractions, Residual Packaging, Intake–Output, etc. (Consider your entire value chain, both upstream and downstream)	
Where do you source your raw materials, components, etc.? DK/Nordics/EU/BRICS/?	Timber comes 100% from Central Europe: mostly from Austria, Germany, Czech Republic and Switzerland. In 2021, approx. 96 % of the wood for KLH® - CLT came from Austrian sawmills and their surrounding forests. See EPD: https://www.klh.at/wp-content/uploads/2019/10/klh-epd-2023.pdf
What are the options for your product at end of life? And how do you handle it? (e.g., take-back programs, leasing models, product-as-a-service, or does it end up being crushed or incinerated?)	<p>Re-use. KLH® - CLT can be used again in principle on conversions or disassembly. Use as an energy source in controlled furnace facilities for process heat or potentially for heat and electric power generation plant is to be regarded as a worthwhile solution due to the high calorific value of the wood.</p> <p>Disposal. KLH® - CLT panels from dismantling operations are first and foremost to be recycled as materials. Should this not be possible, they must be used as an energy source.</p> <p>See EPD: https://www.klh.at/wp-content/uploads/2019/10/klh-epd-2023.pdf</p>
Where does the waste from your production ultimately end up? (This refers to the <i>final</i> destination of the waste – not just the next step in the value chain, such as your waste management provider. For example, wires may end up in Pakistan where PVC is incinerated, and copper is recycled.)	Wood waste: incineration Other waste: mainly recycled, partially disposed of in a controlled manner
Are there risks of child labor/forced labor/slavery in your value chain (both upstream and downstream), and how do you identify it? – If yes, how do you handle this?	No; We manufacture 100% in accordance with legal requirements and PEFC- and FSC-standards (FSC core labour requirements). Valid certificates see: https://www.klh.at/wp-content/uploads/2023/12/pefc-zertifikat-katsch-wiesenau-engl-2.pdf and: https://www.klh.at/wp-content/uploads/2019/09/fsc-katsch-engl.pdf

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<p>How are environmental and climate impacts managed in your value chain? Is there a risk of soil/air/groundwater/freshwater pollution in your value chain?</p>	<p>Risc assessments in accordance with the due diligence systems (DDS) of PEFC and FSC; valid certificates see: https://www.klh.at/wp-content/uploads/2023/12/pefc-zertifikat-katsch-wiesenau-engl-2.pdf and: https://www.klh.at/wp-content/uploads/2019/09/fsc-katsch-engl.pdf</p>
<p>How do you manage subcontractors? (Policies, monitoring, audits, etc.)</p>	<p>By outsourcing-contracts in accordance with the standards of PEFC and FSC; valid certificates see: https://www.klh.at/wp-content/uploads/2023/12/pefc-zertifikat-katsch-wiesenau-engl-2.pdf and: https://www.klh.at/wp-content/uploads/2019/09/fsc-katsch-engl.pdf</p>
<p>Other relevant input for this section?</p>	<p>no</p>
<p>2c. Logistics and Transport</p>	
<p>How far do you transport incoming raw materials/components? And how? (Truck, train, plane – fossil, hydrogen or electric?)</p>	<p>Timber comes 100% from Central Europe: mostly from Austria, Germany, Czech Republic and Switzerland. In 2021, approx. 96 % of the wood for KLH® - CLT came from Austrian sawmills and their surrounding forests. See EPD: https://www.klh.at/wp-content/uploads/2019/10/klh-epd-2023.pdf By truck</p>
<p>How far are your products typically transported? And how? (Truck, train, plane – fossil, hydrogen or electric?)</p>	<p>The products are transported all over the world (see EPD, average 582 km) By truck, train and ship (containers)</p>

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<p>How far is waste/spillage transported to its final destination?</p> <p>And how? (Truck, train, plane – fossil, hydrogen or electric?)</p>	<p>Short ways - Disposal is carried out by the local municipality.</p> <p>By truck</p>
<p>How do you handle returns?</p> <p>Are they reused – fully or partially?</p>	<p>Not applicable—there are no returns.</p>
<p>Other relevant input for this section?</p>	<p>no</p>

Documentation of Environmental and Climate Impact

Please include links to:	
LCA according to ISO14040/14044 including critical review/panel review	Not available
Product Evaluation and Information	
Please include links to:	
New CE marking according to updated construction product regulation (CPR)	Coming soon (according to the CPR timeline)
Social LCA according to UN guidelines	Not available
Cradle To Cradle (C2C)	Not available
Digital Product Passport (DPP)	Coming soon (according to the DPP timeline)
Environmental Product Declaration (EPD)	https://www.klh.at/wp-content/uploads/2019/10/klh-epd-2023.pdf
Product Environmental Footprint (PEF)	Not available
Forest Stewardship Council (FSC)	https://www.klh.at/wp-content/uploads/2024/01/fsc-zertifikat-katsch-wiesenau-eng-1.pdf

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Program for the Endorsement of Forest Certification (PEFC)	https://www.klh.at/wp-content/uploads/2023/12/pefc-zertifikat-katsch-wiesenau-engl-2.pdf
Nordic Swan Ecolabel	https://www.klh.at/wp-content/uploads/2019/07/nordic-ecolabel-license.pdf
EU Ecolabel (Flower)	Not available
Other relevant certifications	https://www.klh.at/wp-content/uploads/2024/07/klh-certificate-iso-9001.pdf

Future Vision for Your Product/Solution

<p>How do you plan to:</p> <ul style="list-style-type: none"> - Increase sustainability? - Reduce emissions? - Better support biodiversity? - Improve quality of life in your value chain? <p>In 5 years? In 10 years?</p>	<p>With the continuous improvement process from quality management (ISO 9001), with ongoing investments in this area, with continuous improvement of production processes. Our company is a family business now in its eighth generation. All future plans are long-term and are seen as the best possible preparation for the ninth generation.</p>
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Kilder:

This form has been developed in collaboration with experts in the construction industry, based on: The Danish Marketing Act, Guidelines from the Consumer Ombudsman, The Green Claims Directive, DDD – Due Diligence in the Value Chain, Construction Product Regulation (CE marking), UN's Guide on Social LCA, the Jysk/IKEA case, EMF Vol 1