

BUILDING GREEN

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	Sonae Arauco Deutschland GmbH
Contact person	Peter Levring
Name of product/solution	AGEPAN products (wood fibre insulation, wind break solutions, DWD- and OSB products)
Short description of product/solution	<p>With its constructive brand AGEPAN®, Sonae Arauco offers perfectly coordinated products for building, insulation and renovation. Products are made locally in our plants in Northern Germany.</p> <p>Our mission is to be the first choice for sustainable and efficient wood fibre products for our customers and partners by developing high-quality, easy-to-use and reliable building materials that meet today's and tomorrow's requirements. Through innovation, partnership and customer focus, we are driving change in the construction industry.</p>

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>Yes, pls. find here the link</p> <p>Policies:</p> <ul style="list-style-type: none"> - Health, Safety, Quality, Environment and Energy Policy Health Safety, Quality, Environment and Energy Policy - Chain of Custody Policy Chain of Custody Policy
--	---

BUILDING GREEN

Please insert links to:
Code of Conduct
UN Global Compact
CSRD report (or alternatively voluntary environmental report, climate report according to GHG protocol)

Sustainable Management Certifications

All our factories are certified in Environmental Management (ISO 14001), Occupational Health and Safety (ISO 45001), and Quality Management (ISO 9001), reflecting our commitment to responsible and safe operations. Additionally, all European board production sites are certified for Energy Management (ISO 50001), supporting our efforts toward energy efficiency and climate goals. We also ensure responsible sourcing through our Chain of Custody certifications, holding both PEFC and FSC® certifications. These guarantee that the wood used in our products originates from sustainably managed forests. All certificates are publicly available on our website.

Other supporting documents detailing some of our sustainable Practices:

A summary of our sustainability practices, goals, and progress:

- Value Card Our Sustainability Journey
[Value Card Our Sustainability Journey](#)

Value Card Wood Recycling - Highlights our circular approach, integrating wood waste into production

- [Value Card Wood Recycling](#)

Value Card Carbon Neutrality - Outlines our climate action strategy, aligned with the Paris Agreement and the GHG Protocol.

[Value Card Carbon Neutrality](#)

Business Conduct:

Company Code of Ethics: Our ethical principles and business conduct standards.

- [Code of Ethics](#)

Supplier Code of Conduct according to Supply Chain Act: In line with the **German Supply Chain Act**, ensuring human rights and environmental due diligence across our value chain.

UN Global Compact – [UN Global Compact Participants](#)

BUILDING GREEN

<u>2. Product level</u>	
2a. Production	
Where in the world is your product/its components manufactured?	AGEPAN products: Produced in Northern Germany, plant Meppen.
Are any or all of your raw materials/components recycled or surplus materials from other productions/activities? If partially: What proportion is recycled or surplus material?	In 2024, for wood raw material globally we used 36% recycled and 11% by-products. The incorporation of by-products for AGEPAN in 2024 was 57,19%.
Do you produce using renewable energy? Do you generate it yourself or purchase credits?	Yes, we partially use renewable energy in our production. In Germany, one of our plants operates almost entirely on self-generated renewable energy. The other two German sites utilize wind power purchase agreements and guarantees of origin, ensuring that part of the electricity consumed is 100% renewable. Additionally, our Iberian sites also use solar energy for production.
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)?	We conducted a biodiversity sensitivity assessment around our production sites to identify proximity to ecologically sensitive areas (in 2024). Based on this, our integrated biodiversity management program is underdevelopment. Additionally, through our CO ₂ Capture Program, managing forest areas under initiatives like SONAE FOREST, we support forest restoration, conservation and biodiversity protection.
Packaging – what type of packaging is used for your product? And in what quantities? (e.g., weight of packaging vs. product weight)	Cardboards, pallets, recyclable protective foils (further detail in EPD)
How much waste do you generate in your production? How is it measured? (percentage of production, quantity, etc.)	In 2024 we produced 74032 t of waste and 65% from that is reused/recycled. It is measured in absolute values and also in intensity values (quantity of waste per unit of production).

BUILDING GREEN

<p>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)</p>	<p>Some of our waste is valued as a by-product for other industries, contributing to circularity and waste reduction (eg. Sludges).</p>
<p>Do you have off-take agreements for your waste? Who collects it and how is it processed?</p>	<p>If the question is whether we have formal contracts with a third party that commits to take specific waste/by-product streams (e.g. paper, plastics, metals, etc..) under agreed conditions than the answer is, yes. This is always done by licensed operators to handle collection and transport of residues in accordance to the type, specificity and determined frequency.</p>
<p>Other relevant input for this section?</p>	<p>We follow a circular bioeconomy model that respects the wood waste hierarchy, prioritizing reuse and recycling. In some product ranges, we incorporate over 70% of recycled material. As part of our innovation & circularity efforts, we recently started operating the first industrial-scale fibreboard recycling line for end-of-life MDF. This process enables recovered fibres to be reintegrated into new panels, supporting material circularity and reducing waste.</p> <p>https://www.sonaearauco.com/news/mangualde-mdf-recycling-line/</p>
<p>2b. Resources – Raw Materials, Waste, Residual Fractions, Residual Packaging, Intake–Output, etc. (Consider your entire value chain, both upstream and downstream)</p>	
<p>Where do you source your raw materials, components, etc.? DK/Nordics/EU/BRICS/?</p>	<p>Main raw material (wood): Locally, typically within a range of 150 km from our production sites (EU).</p>
<p>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>	<p>AGEPAN® Wood Fibreboards & OSB: leftovers and residual materials incurred as a result of demolition measures on the building site should be primarily directed towards material recycling. If this is not possible, they must be directed toward energy recovery instead of landfilling. Waste code according to the European List of Waste: 17 02 01</p>

BUILDING GREEN

<p>Where does the waste from your production ultimately end up?</p> <p>(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.)</p>	<p>Pls. see above</p>
<p>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?</p>	<p>We are committed to respecting internationally recognized human rights principles. Our Code of Ethics prohibits child labour and ensures compliance with minimum age, fair wages, and working hours. In Germany, this is extended to our value chain through a Supplier Code of Conduct aligned with the Supply Chain Act on ESG risk management. We assess suppliers and contractors on human rights performance before starting business relationships and provide a confidential whistleblowing channel to report concerns. No related complaints have been received up to the date.</p>
<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>We manage environmental risks through certified systems (ISO 14001) and responsible sourcing practices (FSC and PEFC certifications). Our Supplier Code of Conduct includes environmental and human rights criteria. We also monitor ESG risks and are assessed by EcoVadis, supporting continuous improvement across our value chain. While environmental risks in our value chain exist, we work to mitigate them through certification and supplier engagement.</p>
<p>How do you manage subcontractors? (Policies, monitoring, audits, etc.)</p>	<p>We set expectations via Sonae Arauco Group Policies and Supplier Code of Conduct which include specific compliance clauses in contracts. Monitoring is proportionate to risk and it is based on the direct interaction with Sonae Arauco site personal and the subcontractors. Formal evaluations are then carried out and passed to Sonae Arauco Procurement team.</p>
<p>Other relevant input for this section?</p>	

BUILDING GREEN

2c. Logistics and Transport	
<p>How far do you transport incoming raw materials/components?</p> <p>And how? (Truck, train, plane – fossil, hydrogen or electric?)</p>	<p>For wood, typically within a range of 150 km from our production sites (EU) per truck. Chemicals, typically by train withing a range of 400km.</p>
<p>How far are your products typically transported?</p> <p>And how? (Truck, train, plane – fossil, hydrogen or electric?)</p>	<p>Typically, up to 600km we use trucks (fossil) and, in bigger distances intermodal (combination truck – train) or ship.</p>
<p>How far is waste/spillage transported to its final destination?</p> <p>And how? (Truck, train, plane – fossil, hydrogen or electric?)</p>	<p>No waste</p> <p>By truck (fossil), typically in average 150km</p>
<p>How do you handle returns?</p> <p>Are they reused – fully or partially?</p>	<p>We have a very low percentage of returns. When they exist, typically they come back to our plant by truck (either FTL or LTL).</p>
<p>Other relevant input for this section?</p>	<p>We have a pilot with hydrotreated vegetable oil (HVO) trucks in Iberia that may reduce emissions up to 90%.</p>

BUILDING GREEN

Documentation of Environmental and Climate Impact

Please include links to:

LCA according to ISO14040/14044 including critical review/panel review

Product Evaluation and Information

Please include links to:

New CE marking according to updated construction product regulation (CPR)

Social LCA according to UN guidelines

Although we are adherents of the UN Global Compact, we did not perform a social LCA according to these guidelines.

Cradle To Cradle (C2C)

-

Digital Product Passport (DPP)

Digital passport concept is not yet implemented. And guidelines for it are not defined at UE level, however, Sonae Arauco is deeply engaged in cooperate in its development for sectors related to our business.

Environmental Product Declaration (EPD)

EPD [AGEPAN Wood Fibreboards](#) ; [EPD OSB](#)

Product Environmental Footprint (PEF)

Attached the information on our product carbon footprint [Sonae Arauco Carbon Footprint Docs](#)

Forest Stewardship Council (FSC)

[FSC](#)

Program for the Endorsement of Forest Certification (PEFC)

[PEFC](#)

Nordic Swan Ecolabel

SCDP Declaration GEN 4 and Gen3 also for Agepan and OSB

EU Ecolabel (Flower)

-

Other relevant certifications

QDF-positive listing,
DGNB declaration,
NAF exemption certification

LEED, BREEAM →we need not to list directly but write that our products contribute positively for credits.

Future Vision for Your Product/Solution

How do you plan to:

- Increase sustainability?
- Reduce emissions?
- Better support biodiversity?
- Improve quality of life in your value chain?

In 5 years?

In 10 years?

In 5 years: Sonae Arauco has improved technologies and processes to incorporate more recycled and by-product content across all product categories, strengthening both its circular bioeconomy model and the sustainability of the industry. We focused on operational efficiency, enhanced water circularity, reduced waste, and reduced our CO2 footprint through increased

BUILDING GREEN

efficient equipment, renewable energy use, and the introduction of low-carbon, biobased resins. Biodiversity is now integrated into our strategic management and responsible sourcing programs. We also keep ensuring the health and safety of our employees and promote wellbeing and development across all operations.

In 10 years, Sonae Arauco aims to lead the transformation of the wood-based panel industry by scaling fiberboard recycling globally, integrating bio-based resins, and expanding the use of alternative wood species. Our operations will be significantly more efficient, with emissions substantially reduced through electrification, smart resource management through AI, and 100% renewable energy. Carbon capture will be embedded in our product strategy, also supported by forest-based nature credit initiatives and restoration projects. Biodiversity will be deeply integrated into our land management and sourcing practices. We remain committed to safe, inclusive workplaces and long-term wellbeing across our value chain.

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