CEWOOD

CEWOOD SUSTAINABILITY

CEWOOD SUSTAINABILITY PHILOSOPHY

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- CEWOOD is committed to sustainable manufacturing practices, combining innovation with an eco-conscious approach to minimize environmental impact.

- Every aspect of production is designed to align with principles of environmental responsibility, from energy use to raw material sourcing and waste management.

FACTORY DESIGNED FOR SUSTAINABILITY

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CEWOOD production facility is not just a place of manufacturing — it is a reflection of our values in action. From the choice of location to everyday operations, the factory embodies sustainable industrial thinking:

- **Integrated with the landscape**: built in Jaunlaicene, a rural area in northern Latvia, the factory was designed to preserve natural surroundings and avoid excessive land use or disruption;
- **Smart and responsible construction**: the building structure uses low-impact materials and was developed with a minimal footprint approach, balancing functionality with environmental care;
- **Ready for green energy**: infrastructure supports 100% renewable electricity use, as well as future integration of solar panels and other sustainable technologies;
- **Water and waste conscious**: the facility applies water efficiency measures, supports zero-waste production, and continuously improves material reuse processes;
- **Award-winning recognition**: CEWOOD's approach to sustainable industrial design was honored with the Latvian Construction Award in the "Best Production Facility" category.

CEWOOD FACTORY

CEWOOD factory is more than a workplace — it is a model for how sustainability can be embedded into industrial practice.

NATURAL MATERIALS AND RESPONSIBLE SOURCING

- CEWOOD acoustic panels are produced from 100% natural ingredients — wood wool, water, and cement. These components ensure a safe, healthy indoor environment while being fully recyclable and biodegradable.
- CEWOOD panels contain no synthetic binders or harmful additives.
- Wood is sourced exclusively from forests within a 100 km radius of our factory in Jaunlaicene, Latvia. These forests are managed responsibly, ensuring regeneration, biodiversity, and reduced transport emissions.
- Reduced CO_2 emissions by prioritizing local and natural materials, CEWOOD significantly cuts the carbon footprint associated with both raw materials and logistics.

RAW MATERIALS

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CEWOOD Panels consist only from 100% natural origin raw materials:

Wood wool

Highest quality Portland cement

Water

RENEWABLE ENERGY AND ZERO-WASTE MANUFACTURING

Sustainability at CEWOOD goes beyond materials. Our internal processes are designed to minimize waste and operate with clean energy.

- **100% renewable energy**: CEWOOD's production is powered entirely by renewable electricity from Latvian sources, significantly reducing operational emissions.
- **Zero-waste production**: all production remains are either reused internally, returned to the process, or transformed into new panel formats.
- **Product take-back program:** a pilot project planned for launch in 2026 across Europe. The initiative will explore the possibility of accepting used CEWOOD panels for reuse or recycling, supporting circularity and resource efficiency at the end of product life.
- **Academic collaboration**: CEWOOD partners with universities to study and optimize environmental impacts through the entire lifecycle of our products.

ENVIRONMENTAL POLICY

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CEWOOD Environmental Policy forms the backbone of our commitment to environmental responsibility. The policy is publicly available and sets out our key priorities:

- promote sustainable sourcing and use of raw materials;
- reduce emissions and energy use in all operations;
- prevent pollution and protect biodiversity;
- support circular material flows;
- engage stakeholders in climate-conscious decision-making.

Read the full Environmental Policy (PDF)

ENVIRONMENTAL IMPACTS AND MITIGATION

CEWOOD acknowledges that certain business activities have the potential to adversely affect the environment. We are committed to identifying and mitigating these impacts:

Adverse Impact	Connection to CEWOOD	Mitigation Measures
CO_2 emissions from production	Caused directly by energy use in manufacturing	Shift to green electricity, process efficiency improvements
Use of natural resources (wood, water)	Contributed to through material sourcing	FSC-certified suppliers, water recycling systems
Use of energy resources (LPG ; electricity, diesel)	Caused directly by energy use in manufacturing	Process efficiency improvements
Waste from off-cuts and packaging	Caused during production and logistics	Reuse of material waste in production, use of recyclable packaging
Potential noise and dust emissions	Caused by manufacturing operations	Installation of air filtration and noise dampening systems

CLEAN AIR AND CLIMATE PROTECTION STRATEGY

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CEWOOD Clean air and Climate protection strategy sets ambitious but realistic climate goals across short-, medium-, and long-term horizons:

- **Short-term goals (by 2026):**
  - Fully eliminate fossil gas in heating operations
  - Install solar panels to reduce dependence on external electricity sources
- **Medium-term goals (by 2033):**
  - Replace internal logistics fleet (e.g. forklifts) with electric or low-emission models
  - Transition to low-carbon cement to reduce embodied CO_2 emissions
- **Long-term goals (by 2040–2050):**
  - Reach product-level carbon neutrality by 2040 through process optimization, raw material innovations, and carbon offsetting
  - Achieve full operational climate neutrality by 2050 across all value chain activities

WATER AND SOIL STEWARDSHIP STRATEGY

The WSS Strategy focuses on the broader resource implications of CEWOOD supply chain, particularly water and soil.

- **Cement Supply Chain Focus:**
  - Work with cement producers to assess and reduce local water and potential soil contamination
- **Water Efficiency Measures at CEWOOD Facility:**
  - Upgrade to low-flow sanitary equipment
  - Use high-efficiency air humidification systems
- **Soil Restoration through Panel Waste:**
  - CEWOOD's shredded panel waste is officially recognized in Latvia as a soil conditioner
  - It improves oxygen levels, adds biodegradable organic material, and reduces waste to landfill
- **Circular Integration:**
  - Returned panels and off-cuts are either reused, recycled, or converted into soil-enhancing applications

MAIN CERTIFICATIONS – SUSTAINABLE MATERIALS AND PROCESSES

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- CEWOOD uses externally recognized frameworks to confirm the sustainability of its sourcing and production processes.

- Sustainably managed forests – all wood is sourced from nearby (within a 100 km radius) forests managed according to internationally recognized sustainability principles, with independent third-party verification. This ensures traceability, biodiversity protection, and responsible harvesting practices.

MAIN CERTIFICATIONS – SUSTAINABLE MATERIALS AND PROCESSES

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ENVIRONMENTAL MANAGEMENT SYSTEM
ISO 14001

Confirms compliance with international environmental standards in the production of concrete, gypsum, cement products, and wood wool panels

ISO
ISO 50001
ENERGY MANAGEMENT

Applies an international energy management standard to the production of mineral-based materials and wood wool panels.

POWERED BY GREEN

Powered by 100% renewable electricity sourced in Latvia, with certified origin guarantees.

All certifications and supporting documentation are available at: www.cewood.com/downloads-eng

MAIN CERTIFICATIONS – SUSTAINABLE PRODUCTS

Our acoustic panels meet rigorous international standards for sustainability, circularity, and safety.

CEWOOD Acoustic Panels are currently certified at Bronze level for circular design, safe materials, and responsible manufacturing. Gold-level certification is targeted for 2026.

Third-party verified environmental declaration in line with EN 15804, disclosing full life cycle impacts from raw materials to end-of-life.

Complies with building sustainability certification for environment, quality, and durability.

Certified for health, environmental performance, and product durability through full life cycle and emissions testing.

Belongs to emission class M1 for building materials with low indoor emissions.

Complies with the highest VOC emission standards across Europe, including LEED, BREEAM, WELL, and M1.

All certifications and supporting documentation are available at: www.cewood.com/downloads-eng

CERTIFIED MATERIALS FROM SUPPLIERS

- Although CEWOOD acoustic panels themselves are independently certified, we also ensure that the materials we use — such as surface coatings — are sourced from suppliers with strong sustainability credentials.

- Our coating materials are produced by partners whose products carry internationally recognized third-party certifications, including:
  - **EU Ecolabel** – a trusted mark across the European Union for low-toxicity, environmentally friendly products.

LIFECYCLE-ORIENTED DESIGN

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CEWOOD acoustic panels are created with material circularity in mind. Thanks to their simple, natural composition and durable design, panels are suitable for multiple lifecycles:

- **Primary Use**: installed in ceilings and walls for acoustic and aesthetic applications;
- **Reuse**: panels can be dismantled and reinstalled in new projects;
- **Refurbishment**: minor surface damage can be treated or resized for second-life use;
- **Material Recovery**: in some cases, panels can be mechanically processed into material for insulation, soil improvement, or even energy recovery.

CONTINUOUS IMPROVEMENT AND ENVIRONMENTAL ACCOUNTABILITY

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- CEWOOD continuously evaluates its environmental performance and strengthens its policies in line with evolving best practices and stakeholder expectations. We report on our progress annually and invite open dialogue with customers, regulators, and partners.

- For more detailed information or to access our environmental management documentation, please contact us: sustainability@cewood.com.

Thank you!

www.cewood.com