

Factsheet

ESG & Sustainability

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EcoCocon ESG

Factsheet

PURPOSE OF THIS DOCUMENT



This factsheet explains how the EcoCocon Wall System helps construction projects meet Environmental, Social, and Governance (ESG) goals, support EU Taxonomy alignment, and provide documentation for sustainability reporting and financing requirements.

EcoCocon produces prefabricated wall panels from natural materials, enabling durable, healthy, and low-carbon buildings. The system supports high-performance construction while allowing materials to safely return to natural cycles at the end of a building's life.

Environmental (E)

CLIMATE CHANGE MITIGATION

- » EcoCocon Straw Panels are made of approx. 89 % straw (agricultural by-product), 10 % certified timber, 1 % other materials.
- » Panels sequester ~115 kg CO₂ per m² of wall (LCA & EPD verified).
- » Low embodied carbon combines with high operational energy efficiency and reduced cooling demand due to high thermal mass.
- » Passive House / NZEB performance achieved through high thermal values, applied airtightness, and minimised thermal bridges.
- » Certified by the Passive House Institute: $\lambda = 0.0645 \text{ W/m}\cdot\text{K}$ (panel incl. timber structure)

CIRCULAR ECONOMY & POLLUTION PREVENTION

- » EcoCocon Straw Panels are typically supplied as PEFC Certified and are also available as FSC® Mix Credit upon request.
- » Designed for circularity in biological and technical material cycles. High-level environmental certification in progress.
- » Modular and non-glued construction allows for disassembly, reuse, or recycling.
- » Dry production process — zero water use and minimal waste.
- » Very low VOC emissions, no formaldehyde or toxic additives — verified by Eurofins.

DO NO SIGNIFICANT HARM (DNSH)

- » No water pollution or chemical runoff in production.
- » No substances of concern under REACH, POPs, or CLP regulations.
- » Straw is an agricultural by-product — no protected habitats or species are affected by material sourcing.
- » Supports healthy indoor air quality — suitable for schools, offices, and housing.



Social (S)

LABOUR & HUMAN RIGHTS

All production and supply chain partners follow core labour and human rights standards, ensuring responsible sourcing and ESG compliance in construction projects:

- » OECD Guidelines for Multinational Enterprises
- » ILO Conventions
- » UN Guiding Principles on Business and Human Rights (UNGP)

OCCUPATIONAL HEALTH & SAFETY

EcoCocon and its partners operate with safe working conditions and occupational health & safety standards.

COMMUNITY & OCCUPANT WELLBEING

- » Local production, training, and knowledge transfer strengthen regional skills and supply chains.
- » Materials used in EcoCocon straw wall systems support healthy indoor environments with very low emissions, contributing to occupant comfort and wellbeing.

Governance & Transparency (G)

TRANSPARENT, EVIDENCE-BASED DOCUMENTATION

EcoCocon Straw Panels are supported by Environmental Product Declarations (EPDs) and Life Cycle Assessments (LCAs), and are certified under Passive House, providing verified data for ESG reporting and compliance documentation.

EU TAXONOMY ALIGNMENT

EcoCocon provides EU Taxonomy Alignment Reports and Declarations of Compliance to support project-level sustainability reporting and access to sustainable finance.

INDEPENDENT THIRD-PARTY SUPERVISION

Production is independently verified under EU Construction Products Regulation systems, ensuring consistent and reliable manufacturing quality (Slovakia: TSÚS – System I, under SK TP-25/0007–V2).

CE MARKING & DoP

CE marking is confirmed via Declaration of Performance (DoP) under ETA-26/0071, issued by TZÚS Prague.

Detailed evidence available on website ecococon.eu.



EU Taxonomy Alignment for B2B Projects

EcoCocon provides documentation and verified performance data to support EU Taxonomy alignment at project level for developers, investors, and other B2B clients.

EU TAXONOMY-ALIGNED

EcoCocon supports EU Taxonomy-aligned projects under:

- » 7.1 Construction of new buildings
- » 7.2 Renovation of buildings
- » 7.3 Installation, maintenance and repair of energy efficiency equipment

Key Value for Clients

EcoCocon supports clients across the full project lifecycle by reducing sustainability risks, simplifying compliance, and strengthening project credibility.

BENEFIT FOR CLIENTS

EcoCocon enables clients to demonstrate:

- » Substantial contribution to climate change mitigation.
- » Full DNSH (Do No Significant Harm) compliance.
- » Fulfilment of minimum social safeguards.
- » Improved access to EU Taxonomy-aligned and sustainability-linked financing.

REGULATORY AND ESG COMPLIANCE

EcoCocon supports EU Taxonomy alignment and ESG reporting needs, including CSRD-related disclosures, through verified and transparent documentation.

FINANCEABILITY

EcoCocon-based projects are well positioned for EU Taxonomy-aligned, green, and sustainability-linked financing due to clear performance data and DNSH compliance.

LOWER PROJECT RISK

Proven durability (≥ 50 -year assumed working life per DoP ETA-26/0071), non-toxic materials, and third-party verified production — reducing technical, regulatory, and reputational risk.

DESIGN AND DELIVERY EFFICIENCY

Prefabricated, modular wall system enables predictable performance, high build quality, and fewer construction errors.

CLIENT AND STAKEHOLDER VALUE

Healthy indoor environments, low-carbon construction, and circular design support long-term asset value and stakeholder expectations.

READY-TO-USE DOCUMENTATION

EPDs, LCAs, EU Taxonomy Alignment Reports, Declarations of Performance (DoP under ETA-26/0071 and SK-DoP under SK TP-25/0007), Passive House certificates, and CE marking documentation — all available for direct integration into project files, tenders, and investor reporting.