

Environmental & Health Data Sheet



Self-declaration according to ISO 14021

EGGER Eurodekor E1 P2 CE

Eurodekor melamine faced chipboard is the standard board for furniture and interior design. Eurospan chipboard E1 P2 is used as a core board for dry interiors. It is finished with a decorative melamine resin coating. The standard board Eurodekor E1 P2 is available in various decor and texture combinations.

Raw Materials & Primary Products

Wood origin

Our plants are certified according to the standard ISO 38200:2018, all paper can be referred to the ISO 38200:2018 statements. On request and in agreement with your contact person at the EGGER sales department, our products can be declared on our sales documents also with other certification claims, depending on the availability at the production site. Please inquire availability details from your sales or certificates and an up-to-date list of the regional origin and wood species used in the product, see document available for download at www.egger.com/environment:

Manufacturer's Declaration – Timber origins (Pdf)

- [Manufacturer Declaration – Sustainable Forestry \(Pdf\)](#)
- [Certificate ISO 38200:2018 \(Pdf\)](#)
- Further 3rd party certificates of sustainable wood procurement ([Pdf](#))([Pdf](#))

Renewable content

	Renewable content	Fossilbased content
EGGER Eurodekor E1 P2 CE	84 %	16 %

Average renewable resource content by dry weight, in relation to all constituent materials (incl. wood, glue, resin and others). Figures may vary between thicknesses.

Recycled content

	Virgin material	Co-products	Pre-consumer recycling material	Post-consumer recycling material
EGGER Eurodekor E1 P2 CE	46 %	29 %	4 %	21 %

Average recycling content by dry weight, in relation to all constituent materials (incl. wood, glue, resin and others). Figures may vary between thicknesses.

Carbon Footprint

	Global warming potential
1 m ² EGGER Eurodekor E1 P2 CE	-13.3 kgCO ₂ -eq/m ² thick it

A negative amount indicates that carbon is stored in the product. Data on carbon storage in products (carbon footprint) is taken from the Life Cycle Assessment (LCA) in the Environmental Product Declaration (EPD). GWP 100 (global warming potential over 100 years), cradle-to-gate.

Constituent materials

The Eurodekor board is a melamine faced chipboard, containing the core board and two lamination layers. The table below contains 99.9 % of the primary products, measured by weight. Proportions may vary between individual product thicknesses. Listed is the average across all thicknesses in one production year. All chemicals have been evaluated and are disclosed down to 1000 ppm.

Proportion		Function	Composition / Add. Info
83	%	Dry wood chips (core board)	Industrial round wood, Saw mill by-products, Pre-consumer recycling wood and Post-consumer recycling wood
12	%	Glue (core board)	Mix of Urea-Formaldehyde Glue (UF) and Urea-Melamine-Formaldehyde Glue (UMF)
3	%	Decorative surface layer	43 % décor paper (virgin cellulose, print color)
			57 % melamine-formaldehyde resin / during the pressing process, the amiroplastic adhesive hardens fully. Under normal conditions, it is bound to the wood and chemically stable
< 1	%	Hydrophobing agent (core board)	Paraffine wax emulsion
< 1	%	Hardener (core board)	Ammonium nitrate / Ammonium sulphate / chitide-free
< 1	%	Formaldehyde scavenger (core board)	Technical Urea
< 1	%	Glue (core board)	Isocyanate (MDI) during the pressing process, the MDI hardens fully into polyurethane. Under normal conditions, it is bound to the wood and chemically stable

Manufacturing

Production plants & their certifications

The product is manufactured at the following locations. You find the plant certifications available for download at www.egger.com/environment. For production plant's address kindly see footnotes at the end of this document.

Plant	Certifications ¹ obtained by this plant			
	Quality	Environment	Energy	Wood origin
Unterradlberg, AT	ISO 9001	ISO 14001, EMAS	-	ISO 32800
Hexham, UK	ISO 9001	ISO 14001	ISO 50001	ISO 32800
Sibirya, RU	ISO 9001	-	-	ISO 32800
Gagarin, RU	ISO 9001	-	-	ISO 32800
Rădăniț, RO	ISO 9001	ISO 14001	-	ISO 32800
Concordia, AR	ISO 9001	-	-	ISO 32800
Biskupiec, PL	ISO 9001	ISO 14001	-	ISO 32800

Processing

Safety

This product is not hazardous in the form in which it is shipped by the manufacturer. Downstream activities (e.g. grinding, sanding, cutting or pulverizing) may generate wood dust, which is hazardous. Wear a respiratory mask if using hand tools without a dust extraction device. Observe all liability insurance association regulations for commercial processing operations (e.g. safety goggles).

Processing instructions

See

- Processing Instructions Eurodekor (Pdf)

available at the product download area at www.egger.com/products

Maintenance instructions

See

- Eurodekor - Cleaning and care instructions (Pdf)
- Eurodekor storage and transport guidelines (Pdf)

available at the product download area at www.egger.com/products

Technical data

See Technical Datasheets available at the product download area at www.egger.com/products

Use

On request the products can be labelled with a certification claim according to:

- ISO 38200:2018
- Further 3rd party certificates of sustainable wood procurement

To download certificates, see EGGER environmental downloads at www.egger.com/environment and product category's downloads at www.egger.com/products.

Product emissions & Health aspects

Natural wood constituents may be released in small quantities. Minor amounts of formaldehyde can be detected. During the EGGER Eurodekor E1 P2 CE's manufacturing processes, heat and pressure is applied in a short cycle press. All resins cure completely into a solid material. In the use phase, the product is chemically stable under normal conditions. There are no known health hazards or health effects to be expected under normal conditions, when the product is used as intended.

The following table contains an overview of requirements, on which the product has been tested by an independent third party and fulfils the emission requirements. See Annex for limit values and further details.

Substance / Indicator	Product has been tested and fulfils emission requirement	Requirement	Requirement details ¹
Formaldehyde	✓	E1	Formaldehyde class E1, according to EN DIN EN 16516, external testing

End of life – Waste treatment

Reuse

During remodeling or at the end of the utilization phase of a building, the product can easily be separated and used again for the same applications, if selective deconstruction is practiced. This is only possible if the product has not been bonded over its entire surface.

Recycling – Material use

Leaves which accrue on the construction site as well as those from deconstruction measures should primarily be routed to a material utilization stream (use as post-consumer recycling material). The product can be recycled and used for the same purpose, since waste wood from furniture is a secondary material already used in the production of new chipboards.

Incineration – Energetic use

After its utilization phase, the product should be separated and routed to an energetic recovery, due to its high calorific value of approx. 18.7 MJ/kg. Upon incineration, kindly observe all locally applicable legal requirements for the correct dimensions, required filter technologies, operating conditions, and legal permissions for burning wood-based panels/chipboards.

Waste code according to European Waste Catalogue, depending on origin of the waste:

- 17 02 01 Construction & Demolition Waste Wood or
- 03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer not containing hazardous substances

The product is not classified as hazardous waste. Used EGGER Eurodekor E1 P2 CE can be classified as glued, laminated waste wood without halogenated compounds in the lamination layer and without wood preservatives.

See also document available for download at www.egger.com/environment:

- Manufacturer's Declaration – Wood preservatives (Pdf)
- Manufacturer's Declaration – Halogenated organic compounds (Pdf)

Environmental life cycle assessment

The product has a verified Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804.

- EPD Eurodekor MFC (Pdf)
available for download at www.egger.com/environment



Compliance with LEED v4

The EGGER Eurodekor E1 P2 CE is compliant with the prerequisites for use in LEED certified buildings outside the U.S. Beyond that the usage of a EGGER Eurodekor E1 P2 CE contributes to gather additional points within the LEED scoring system. The following table shows all LEED credits which are applicable to the usage of our product. As the actually achievable number of points depends on the attributes of all used materials in the LEED building project and further actions by the constructor, we cannot guarantee to obtain the maximum score. For full requirement terms see LEED credit library at www.usgbc.org.

Projects outside U.S.

LEED v4 Requirements for Building Design + Construction (BD+C) New Construction, Core and Shell, Schools, Retail, Healthcare, Data Centers, Hospitality, Warehouses and Distribution Centers			Product contribution
LEED v4 Requirements for Interior Design + Construction (ID+C) Commercial Interiors, Retail, Hospitality			
Chapter	Requirement summary	Maximum Points	
Material and Resources	Building Product Disclosure and Optimization - Environmental Product Declarations Option 1: Environmental Product Declaration (EPD)	1 Point	This product has a verified Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804. See <ul style="list-style-type: none"> EPD Eurodekor MFC (pdf) available for download at www.egger.com/en/interior
Material and Resources	Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 1: Raw materials once a index contractor reporting Third-party verified corporate sustainability reports (CSR) according to an accepted framework.	2 Points	As a general Sustainability report is published in accordance with the GRI standards: "Core" option, and is audited by an independent party. See <ul style="list-style-type: none"> Sustainability report (pdf) available for download at www.egger.com/en/interior
Material and Resources	Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 23: Wood products must be certified by the Forest Stewardship Council® (FSC®) or USGBC-approved equivalent.		Yes, the product can be purchased in 3 rd party certified qualities on request. Use delivery receipts as evidence document. See also chapter "Wood origin" of this document.
Material and Resources	Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 25: Recycled content in the form of postconsumer recycled content plus one-half the preconsumer recycled content.	1 Point	Recycled content of the product (based on weight) = 21% + 4% / 2 = 23%. See "Constituent materials" section above to obtain further information.
Material and Resources	Building Product Disclosure and Optimization - Material Ingredients Option 1: Declare.	1 Point	The manufacturer has screened the product for at least 1,000 ppm and has provided a publicly available inventory. See "Constituent materials" section above to obtain further information.
Indoor Environmental Quality	Low-emitting Materials - VOC emissions evaluation (product categories ceilings, walls, acoustic insulation only) Product complies with the LCI values of the German AgBB Testing and Evaluation Scheme	3 Points	No general documentation of VOC emissions available for EGGER Eurodekor E1 P2 CE. If the product is counted as ceiling wall, or acoustic insulation in your project, please ask your sales contact for an alternative product to meet this criterion. For other categories of use, no VOC tests are required.
Indoor Environmental Quality	Low-emitting Materials - Formaldehyde emissions evaluation For projects outside the U.S., composite wood must be documented not to exceed a concentration limit of 0.05 ppm of formaldehyde.		Product is tested per EN 717-1:2014 for formaldehyde emissions and complies with emissions class E1. As the concentration limit for this requirement is 0.1 ppm, this does not meet the E1 emissions class. Please ask your sales contact for an alternative product to meet this criterion.

Projects inside U.S.

Please note that formaldehyde emission requirements in LEED v4 are deviating for projects inside the U.S.

LEED v4 Requirements for Building Design + Construction (BD+C) New Construction, Core and Shell, Schools, Retail, Healthcare, Data Centers, Hospitality, Warehouses and Distribution Centers			Product contribution
LEED v4 Requirements for Interior Design + Construction (ID+C) Commercial Interiors, Retail, Hospitality			
Chapter	Requirement summary	Maximum Points	
Material and Resources	Building Product Disclosure and Optimization - Environmental Product Declarations Option 1: Environmental Product Declaration (EPD)	1 Point	This product has a verified Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804. See <ul style="list-style-type: none">EPD Ekodekor MFC (pdf) available for download at www.egger.com/environment
Material and Resources	Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 1: Raw materials or a index table reporting T1 third-party verified corporate sustainability reports (CSR) according to an accepted framework.	2 Point	An annual Sustainability report is published in accordance with the GRI standards: "Core" option, and is audited by an independent party. See <ul style="list-style-type: none">Sustainability report (pdf) available for download at www.egger.com/environment
Material and Resources	Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 23: Wood products must be certified by the Forest Stewardship Council® (FSC®) or USGBC-approved equivalent.		Yes, the product can be purchased in 3 rd party certified qualities on request. Use delivery receipts as evidence document. See also chapter "Wood origin" of this document
Material and Resources	Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 25: Recycled content is the sum of postconsumer recycled content plus one-half the preconsumer recycled content, based on cost.	1 Point	Recycled content of the product (based on weight) = 21% + 4% / 2 = 23% . See "Constitute materials" section above to obtain further information.
Material and Resources	Building Product Disclosure and Optimization - Material Ingredients Option 1: Declare.	1 Point	The manufacturer has screened the product to at least 1,000ppm and has provided a publicly available inventory. See "Constitute materials" section above to obtain further information.
Indoor Environmental Quality	Low-emitting Materials - Formaldehyde emissions evaluation: Composite wood must be documented to have low formaldehyde emissions that meet the requirements for ultra-low-emitting formaldehyde (ULEF) resins or no added formaldehyde resins.		<i>The product does not fulfil ULEF requirements. For core board and decorative surface glue and resins on a formaldehyde base are used.</i>

Compliance with Nordic Swan Ecolabel

Small houses, apartment buildings and buildings for schools and pre-schools

The product EGGER Eurodekor E1 P2 CE is listed in the database for building products that can be used in Nordic Swan Ecolabelled buildings (Portal Nordic Ecolabelling) under the Manufacturer's name Egger, Fritz GmbH & Co. As an applicant for an Ecolabelled building, please inform your Nordic Swan certifier about the product listing. For the use of EGGER Eurodekor E1 P2 CE no other documents are necessary for your application.

Compliance with other labels & regulations

Additional information in the form of manufacturer declarations, EPDs and brochures is available at

- www.egger.com/environment

Your label or regulation is missing? The EGGER product sustainability & compliance team is happy to support you with suitable information on the requirements. Please get in touch with

- environment@egger.com

or contact your EGGER sales contact or distributor, who are happy to forward the inquiry.

Footnotes

i

Production plant	Address
Urfeldberg, AT	FRITZ EGGER GmbH & Co. OG, Holzwerkstoffe, Tiroler Strasse 16, -3105 Urfeldberg (AT)
Hexham, UK	EGGER (UK) Ltd, Airtek Garage Road, Hexham, Northumberland, NE46 4JS (UK)
Sibirya, RU	ООО "EGGER Девелопмент Сибирь", Ярлыкское шоссе 1, 155908 Ичаловское б/о, Сибирь (RU)
Gagarin, RU	ООО "EGGER Девелопмент Ггарин", Езиковский проезд 1, 215010 Ггарин, Область Смоленская (RU)
Radauti, RO	SC EGGER Romania SRL, Str. Avântul 2, PO Box 38, 725400 Radauti, Jud. Suceava (RO)
Concordia, AR	EGGER Argentina S.A., Av. Rivadavia/N°, Parque Industrial 3200 Concordia, Entre Ríos (AR)
Biskupiec, PL	Egger Biskupiec sp. z o.o., Biskupiec-Kobyla Długa, Ul. Św. Józefa 1, 11-300 Biskupiec (PL)

ii

Product Certification	
ISO 38200:2018	ISO 38200:2018 Chain of Custody of wood and wood-based products

iii

Substance	Requirement	Norm reference	Limit value	Testing method
Formaldehyde	E1	Chemicals Act (Chemicals Prohibition Ordinance; German: Chemikalien-Verbotsverordnung), Chemikalien-Verbotsverordnung, Appendix 1 to Section 3, Entry 1: "Formaldehyde" Clause 2(f)	0.1 ppm	DIN EN 16516