

Environmental & Health Datasheet

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 wood 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 an applicable certification claim, depending on the availability at the production site. Please inquire availability details from your sales contact.

For 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)“
- “Certificate ISO 38200:2018” (Pdf)
- Further 3rd party certificates of sustainable wood procurement

Renewable content

	Renewable content	Fossil-based content
EGGER Eurodekor E1 P2 CE	84 %	16 %

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

Carbon Footprint

	Global warming potential
1m ² Eurodekor E1 P2 CE	-13.3 kg CO ₂ -equivalent

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.

Responsible	Editor	Valid until	Revision	Classification	Page
Gerbl Michael	Bender Martina	14.04.2022	1	Public	1 of 9

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 / <i>during the pressing process, the aminoplastic adhesive hardens fully. Under normal conditions , it is bound to the wood and chemically stable</i>
< 1	%	Hydrophobing agent (core board)	Paraffine wax emulsion
< 1	%	Hardener (core board)	Ammonium nitrate / Ammonium sulphate / <i>chloride-free</i>
< 1	%	Formaldehyde scavenger (core board)	Technical Urea
< 1	%	Glue (core board)	Isocyanate (MDI) <i>during the pressing process, the MDI hardens fully into polyurethane. Under normal conditions , it is bound to the wood and chemically stable</i>

Manufacturing

Production plants & their certifications

The product is manufactured at the following locations. For addresses and certification details, kindly see footnotes at the end of this document. Certifications are available for download at www.egger.com/environment.

Plant ⁱ	Certifications ⁱⁱ obtained by this plant			
	Quality	Environment	Energy	Wood origin
Biscupiec, PL	-	-	-	ISO 38200
Concordia, ARG	ISO 9001	ISO 14001	-	
Gagarin, RU	ISO 9001	-	-	ISO 38200
Hexham, UK	ISO 9001	ISO 14001	ISO 50001	ISO 38200
Radauti, RO	ISO 9001	ISO 14001	-	-
Shuya, RU	ISO 9001	-	-	ISO 38200
Unterradlberg, AT	ISO 9001	ISO 14001, EMAS	-	ISO 38200

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).

See document concerning the core board available for download at www.egger.com

- EGGER Particleboard Material Safety Data Sheet (Pdf)

Processing instructions

See document available for download at www.egger.com

- Eurodekor Storage and Transport Guidelines (Pdf)

Technical data

See document available for download at www.egger.com

- Technical Data Sheet Eurodekor Packaging (Pdf)
- Technical Data Sheet Eurodekor (Pdf)

Use

Product certification

On request the products can be declared as certified or controlled with official certification claims on the sales document according to:

- ISO 38200:2018
- Further certificates of sustainable wood procurement

To download certificates, see EGGER environmental downloads at www.egger.com/environment

Product emissions & Health aspects

Natural wood constituents may be released in small quantities. Minor amounts of formaldehyde can be detected. During the Eurodekor'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 successfully by an independent third party.

Substance / indicator	Product has been tested and fulfils emission requirement	Requirement	Requirement details ⁱⁱⁱ
Formaldehyde	✓	E1	According to EN 13986+A1:2015-04, Formaldehyde class E1

Cleaning & Maintenance

See document available for download at www.egger.com

- EGGER Eurodekor – cleaning and care instructions (Pdf)

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

Leftovers which arise 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. 16,7 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 Eurodekor boards 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

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 EGGER Eurodekor E1 P2 CE contributes to gather additional points within the LEED scoring system. *Requirements given in italics are currently not met by the product.* 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.usbc.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 contributions
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/environment
	Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2.3: Wood products must be certified by the Forest Stewardship Council or USGBC-approved equivalent.	1 Point	The products is verified by the ISO 38200 : 2018 statements. Additionally, the product can be purchased in other certified qualities on request. Use delivery receipt as evidence document. See also chapter "Wood origin" of this document.
Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2.5: Recycled content is the sum of postconsumer recycled content plus one-half the preconsumer recycled content, based on cost.	Recycled content of the product (based on weight) = 4% + 21%/2 = 14.5% . 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 to at least 1,000 ppm and has provided a publicly available inventory. See "Constituent materials" section above to obtain further information.
Indoor Environmental Quality	<i>Low-emitting Materials- VOC emissions evaluation</i> <i>Product complies with the LCI values of the German AgBB Testing and Evaluation Scheme</i>	3 Points	<i>No general documentation of VOC emissions available for Eurodekor E1 P2 CE boards. Please ask your sales contact for an alternative product to meet this criterion.</i>
Indoor Environmental Quality	<i>Low-emitting Materials- Formaldehyde emissions evaluation</i> <i>For projects outside the U.S., composite wood must be documented not to exceed a concentration limit of 0.05 ppm of formaldehyde.</i>		<i>Product is tested per EN 717-1:2014 for formaldehyde emissions and complies with emissions class E1. As the concentration limit of this requirement is 0.1 ppm ,it is not met by the E1 emissions class. Please ask your sales contact for an alternative product to meet this criterion.</i>

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 contributions
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/environment
	Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2.3: Wood products must be certified by the Forest Stewardship Council or USGBC-approved equivalent.	1 Point	The products is verified by the ISO 38200 : 2018 statements. Additionally, the product can be purchased in other certified qualities on request. Use delivery receipt as evidence document. See also chapter "Wood origin" of this document.
Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2.5: Recycled content is the sum of postconsumer recycled content plus one-half the preconsumer recycled content, based on cost.	Recycled content of the product (based on weight) = 4% + 21%/2 = 14.5% . 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 to at least 1,000 ppm and has provided a publicly available inventory. See "Constituent materials" section above to obtain further information.
Indoor Environmental Quality	<i>Low-emitting Materials- VOC emissions evaluation</i> <i>Product complies with the LCI values of the German AgBB Testing and Evaluation Scheme</i>	3 Points	<i>No general documentation of VOC emissions available for Eurodekor E1 P2 CE boards. Please ask your sales contact for an alternative product to meet this criterion.</i>
	<i>Low-emitting Materials- Formaldehyde emissions evaluation:</i> <i>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>		<i>The product does not fulfil ULEF requirements. For core board and decorative surface glue and resins on a formaldehyde base are used. Please ask your sales contact for an alternative product to meet this criterion.</i>

Compliance with WELL Building Standard v2™

EGGER Eurodekor E1 P2 CE is compliant with the preconditions for use in WELL v2™ certified buildings. Beyond that the usage of this product may contribute to gather additional points within the WELL scoring system. The following table shows all WELL features which are applicable to the usage of our product. *Requirements given in italics are currently not met by the product.* As the actually achievable number of points depends on the attributes of all used materials in the WELL building project and further actions by the constructor, we cannot guarantee to obtain the maximum score. For full requirement terms see WELL feature library at www.wellcertified.com.

Requirements			Product contributions
Chapter	Requirement summary	Maximum Points	
X01 Material Precautions	Restrict asbestos, mercury and lead.	Precondition	The product complies with this precautions. See Manufacturer's Declaration – Asbestos (Pdf) available for download at www.egger.com/environment . Please get in touch with the EGGER product sustainability & compliance team at environment@egger.com to get further declarations concerning the non-use of mercury and lead .
X05 Enhanced Material Restrictions	Part 2a Select Compliant Architectural and Interior Products: Ceiling and wall panels contain halogenated flame retardants (HFR) at less than 100 ppm.	1 Point	The product complies with this requirement. No halogenated flame retardants (HFR) are used in this product. See "Constituent materials" section above for your documentation. Please get in touch with the EGGER product sustainability & compliance team at environment@egger.com to get Manufacturer's declaration on the use of halogenated compounds (Pdf).
X05 Enhanced Material Restrictions	Part 2a Select Compliant Architectural and Interior Products: Newly installed floorings and furniture contain Orthophthalates at less than 100 ppm.		The product complies with this requirement. No phthalates are used in the product. See "Constituent materials" section above for your documentation.
X06 Volatile Compound reduction	Part 2a Restrict VOC Emissions from Furniture, Architectural and Interior Products: Furniture and wall panels tested per AgBB or CDPH method and VOC emission threshold established.	1 Point	<i>No general documentation of VOC emissions available for Eurodekor E1 P2 CE boards. Please ask your sales contact for an alternative product to meet this criterion.</i>
X06 Volatile Compound reduction	Part 2c2 Restrict VOC Emissions from Furniture, Architectural and Interior Products: Composite wood panels meet the formaldehyde standards European E1, TSCA, F*** or LEED v4.1		Product is tested per EN 717-1:2014 for formaldehyde emissions and complies with emissions class E1. Please get in touch with your EGGER sales contact or distributor, who are happy to forward the inquiry to get Eurodekor E1 P2 CE Formaldehyde test report (Pdf.)
X07 Material Transparency	Part 1: Select Products with Disclosed Ingredients: Promote ingredient disclosure with ingredients identified and disclosed to 1,000 ppm.	1 Point	The product is screened to at least 1,000 ppm and the manufacturer has provided a publicly available inventory within this document. See "Constituent materials" section above for your documentation.
X08 Materials Optimization	Part 1 Select Material with Enhanced Chemical Restrictions: Newly installed furnishings, built-in furniture, interior finishes and finish materials comply with some combination of the listed programs (e.g. Living Building Challenge Red List Free)	2 Points	<i>Currently our product does not participate in any of the listed programs. It does not contribute to achieve points for this requirement.</i>
X08 Materials Optimization	Part 2 Select Optimized Products: Product is certified by one of the listed programs (e.g. Cradle to Cradle)		<i>Currently our product does not participate in any of the listed programs. It does not contribute to achieve points for this requirement.</i>

Compliance with BREEAM International New Construction 2016

EGGER Eurodekor E1 P2 CE is compliant with the preconditions for use in BREEAM 2016 certified buildings, **but it does not fulfil the additional emission requirements** to gather extra credit points for the project. The following table shows all BREEAM credits which are applicable to the usage of our product. As the actually achievable number of credits depends on the attributes of all used materials in the BREEAM building project and further actions by the constructor, we cannot guarantee to obtain the maximum score. For full requirement terms see BREEAM manual at www.breeam.com.

Requirements			Product contributions
Chapter	Requirement summary	Maximum Credits	
Mat 01 Life cycle impacts	Environmental product declarations (EPD) – product installed by Post-Construction Stage is covered by verified EPD	1 Credits	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/environment
Mat 03 Responsible sourcing of construction products	All timber-based products used on the project are Legally harvested and traded timber.	Prerequisite	The products is verified by the ISO 38200 : 2018 statements. This standard takes into account all legal requirements in the respective purchasing or production country and all environmental and social criteria known in the ISO system. Additionally, the product can be purchased in other certified qualities on request. Use delivery receipt as evidence document. See also chapter "Wood origin" of this document.
Hea 02 Indoor air quality	Avoidance of asbestos.	Prerequisite	The product complies with this prerequisite. See <ul style="list-style-type: none"> Manufacturer's Declaration – Asbestos (Pdf) available for download at www.egger.com/environment
Hea 02 Indoor air quality	<p><i>Minimising sources of pollution - Emissions from building products. Product should meet the exemplary level emission criteria</i></p> <p>Formaldehyde $\leq 0.06 \text{ mg/m}^3$</p> <p>TVOC $\leq 1.0 \text{ mg/m}^3$</p> <p>Category 1A and 1B carcinogens $\leq 0.001 \text{ mg/m}^3$</p>	0 Credits	<p><i>Product is tested per EN 717-1:2014 for formaldehyde emissions and complies with emissions class E1. As the concentration limit of this requirement is 0.1 ppm, it is not met by the E1 emissions class. No general documentation of VOC emissions available for Eurodekor E1 P2 CE boards. Please ask your sales contact for an alternative product to meet this criterion.</i></p>

Compliance with Nordic Swan Ecolabel for Small houses, apartment buildings and buildings for schools and pre-schools

The product 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 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

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Production plant	Address
Biskupiec, Poland	EGGER Biskupiec sp. z o.o., Biskupiec-Kolonia Druga, Ul. Sw. Jozefa 1, 11-300 Biskupiec (PL)
Concordia, Argentina	EGGER Argentina S.A., Av Rucci s/Nº, Parque Industrial, 3200 Concordia , Entre Ríos (AR)
Gagarin, Russia	OOO "EGGER Drevprodukt Gagarin", Ezhvinsky proezd 1, 215010 Gagarin, Oblast Smolensk (RU)
Hexham, United Kingdom	EGGER (UK) Limited, Anick Grange Road, Hexham, Northumberland NE46 4JS (UK)
Radauti, Romania	EGGER Romania SRL, Austriei 2, Rădăuți 725400 (RO)
Shuya, Russia	OOO "EGGER Drevprodukt Shuya", Jushnoje Chaussee 1, 155908 Shuya (RU)
Unterradlberg, Austria	FRITZ EGGER GmbH & Co. OG Holzwerkstoffe, Tiroler Straße 16, -3105 Unterradlberg (A)

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Plant Certifications	
ISO 9001	Quality management system according to ISO 9001:2015
ISO 14001	Environmental management system according to ISO 14001:2015s
EMAS	Environmental management system according to the Commission Regulation (EU) 2017/1505 of 28 August 2017 amending Annexes I, II and III to Regulation (EC) No 1221/2009 of the European Parliament and of the Council on the voluntary participation by organisations in a Community eco-management and audit scheme (EMAS)
ISO 50001	Energy management system according to ISO 50001:2018
ISO 38200:2018	ISO 38200:2018 Chain of Custody of wood and wood-based products

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Substance	Norm	Limit value	Testing method	Accredited testing institute
Formaldehyde	According to EN 13986+A1:2015-04, Formaldehyde class E1	0.1ppm	EN 717-1	EPH Entwicklungs- und Prüflabor Holztechnologie GmbH Dresden