Environmental & Health Data Sheet

Self-declaration according to ISO 14021

EGGER Eurodekor TFL PB TSCA 187

Eurodekor TFL PB TSCA 187 is our standard thermally fused laminate (TFL) board used for furniture and interior design. Eurospan Particleboard TSCA 187 is used as the core board for dry interiors. It is finished with decorative paper that is soaked or impregnated with a melamine resin, then pressed onto the core board using heat and pressure. The Eurodekor Eurodekor TFL PB TSCA 187 is available in various decor and texture combinations.

Raw Materials & Primary Products

Wood origin

Our plant is certified according to the Eco-Certified Composites (ECC) Standard. Our product complies with the following eco-attributes:

- Locally sourced fiber
- Recycled, Recovered or Post-Consumer Fiber Content
- Sustainable Use of Wood Fiber

For 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)

Renewable content

	Renewable content	Fossil-based content
EGGER Eurodekor TFL PB TSCA 187	88 %	12 %

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 TFL PB TSCA 187	0 %	0 %	98 %	2 %

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

*Within the U.S. industrial co-products such as shavings and chippings are counted as pre-consumer recycling material.

Carbon Footprint

	Global warming potential
1 m² EGGER Eurodekor	-13.30 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) for EGGER Eurodekor. GWP 100 (global warming potential over 100 years), cradle-to-gate.

Constituent materials

For the Eurodekor TFL PB TSCA 187, a Eurospan Particleboard TSCA 187 is used as the core board. It is finished with decorative paper that is soaked or impregnated with a melamine resin, then pressed onto the core board using heat and pressure.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*
87	%	Dry wood chips (core board)	Industrial round wood, pre-consumer recycling wood and post-consumer recycling wood
9	%	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 aminoplastic adhesive hardens fully. Under normal conditions , it is bound to the wood and chemically stable.*
< 0.5	%	Hydrophobing agent (core board)	Paraffine wax emulsion
< 0.5	%	Hardener (core board)	Ammonium nitrate / Ammonium sulphate / *chloride-free*
< 0.5	%	Formaldehyde scavenger (core board)	Technical Urea

Manufacturing

Production plants & their certifications

The product is manufactured at the following locations. You find the plant certifications available for download at https://www.egger.com/shop/en_US/eco-certified. For production plant´s address kindly see footnotes at the end of this document.

Plant [i]	Certifications [ii] obtained by this plant			
	Quality	Environment	Energy	Wood origin
Lexington, US	-	ECC	–	ECC

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

Product emissions & Health aspects

Natural wood constituents may be released in small quantities. Minor amounts of formaldehyde can be detected. During the Eurodekor TFL PB board's manufacturing processes, heat and pressure is applied in a short cyclepress. 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 fulfills the emission requirements. See Annex for limit values and further details.

Substance / indicator	Product has been tested and fulfils emission requirement	Requirement	Requirement details [ii]
Formaldehyde	✓	TSCA	U.S. Toxic Substances Control Act, external testing (core board)
Formaldehyde	✓	CARB P2	California's Composite Wood Products Regulation California's

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 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. 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.

The product is not classified as hazardous waste. Used 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

The Eurodekor TFL TSCA 187 particle board is compliant with the prerequisites for use in LEED certified buildings outside the U.S. Beyond that the usage of a 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.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 **LEED v4 Requirements for Interior Design + Construction (ID+C)** Commercial Interiors, Retail, Hospitality			**Product contributions**
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 ▪ EPD Eurodekor 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 material source and extraction reporting Third-party verified corporate sustainability reports (CSR) according to an accepted framework.	1 Point	An annual Sustainability report is published in accordance with the GRI standards: "Core" option, and is audited by an independent party. See ▪ Sustainability report (Pdf) available for download at www.egger.com/environment.
Material and Resources	Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2.3: Wood products must be certified by the Forest Stewardship Council® (FSC®) or USGBC-approved equivalent.	1 Point	*Currently the product is not available in a FSC or USGBC-approved quality.*
Material and Resources	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		Recycled content of the product (based on weight) =2 % + 98% /2 =51% . 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	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 . 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 test is 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 ASTM D6007-14 standard for formaldehyde emissions and complies with emissions classes TSCA and CARB P2.

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 **LEED v4 Requirements for Interior Design + Construction (ID+C)** Commercial Interiors, Retail, Hospitality			**Product contributions**
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 ▪ EPD Eurodekor 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 material source and extraction reporting Third-party verified corporate sustainability reports (CSR) according to an accepted framework.	1 Point	An annual Sustainability report is published in accordance with the GRI standards: "Core" option, and is audited by an independent party. See ▪ Sustainability report (Pdf) available for download at www.egger.com/environment.
Material and Resources	Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2.3: Wood products must be certified by the Forest Stewardship Council® (FSC®) or USGBC-approved equivalent.	1 Point	*Currently the product is not available in a FSC or* USGBC-*approved quality* .
Material and Resources	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) =2 % + 98% /2 =51% . 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	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.	*3 Points*	*The product does not fulfil ULEF requirements. For core board and decorative surface glue and resins on a formaldehyde base are used.*

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.

Annex

i

Production plant	Address
Lexington, US	EGGER Wood Products, 300 Egger Parkway, Linwood, NC 27299 (US)

ii

Product Certifications	
ECC	CPA 4-19 Eco-Certified Composites (ECC) Standard, Eco-certified Composite Grademark Certification Program

iii

Substance	Requirement	Norm reference	Limit value	Testing method
Formaldehyde	TSCA	U.S. Toxic Substances Control Act (TSCA), requirements of EPA TSCA Title VI – § 770.10 b 1-4	0.09 ppm	ASTM D6007-14
Formaldehyde	CARB P2	Final Regulation Order §93120 , title 17, California Code of Regulations: "Airborne Measure to Reduce Formaldehyde Emissiones from Composite Wood Products	0.09 ppm	ASTM D6007-14