MORE FROM WOOD.

EGGER

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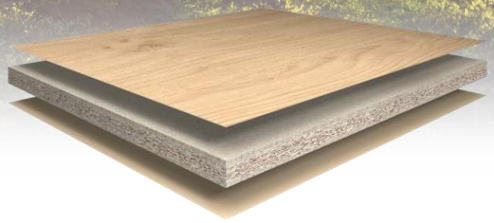
Self-Declaration According to ISO14021

Environmental & Health Data Sheet



EGGER Decorative TFL Particleboards TSCA 187

Recipe: **187**

LEED
WELL v2™
BREEAM International v6



Our EcoFacts show the environmental impact of our product at a glance.*

89% material from renewable resources,
11% material from fossil resources

6% Primary raw materials****
94% Materials from the circular economy
86% of which is pre-consumer recycling material,
14% of which is post-consumer recycling material

Recyclable***

*EcoFacts may differ from EcoFacts on EGGER-Website due to other calculation bases. EcoFacts Circularity and Renewable Resources are based on recipe specific internal calculations. EcoFacts are valid for Lexington plant only..
**Chapter "End of Life" describes procedures for possible utilization streams
***Wood from sustainable forestry, specifically thinning wood or roundwood that cannot be sawn, represents the biggest share in this category

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Raw Materials & Primary Products

Wood Origin

Our plants are certified according to the standard ISO 38200:2018. Further information about our principles for sustainable forest management and wood purchase can be found in our Manufacturer Declaration on Sustainable Forestry VRG 229, for information on our timber origin please refer to our Manufacturer Declaration on Timber Origin VRG 270.
Upon request, our products can be listed on our sales documents with additional 3rd party certification claims, depending on their availability during production. Links to the certificates can be found in the relevant documents for building certificates.

Constituent Materials

EGGER Decorative TFL Particleboards TSCA 187 is a composite wood based, UF- and UMF-bonded panel. The table below contains 99.9% of the primary products, measured by dry weight. Proportions may vary between individual product thicknesses. Listed is the average across all thicknesses and all production plants based on the values from fiscal year 2025. All chemicals have been evaluated and are disclosed down to 1000 ppm.

Proportion		Function	Composition
88	%	Dry wood chips (core board)	Industrial round wood, sawmill by-products, Pre- 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	39 % decor paper (virgin cellulose, print color) 61 % melamine-formaldehyde resin*
< 1	%	Hydrophobing agent (core board)	Paraffine wax emulsion
< 1	%	Formaldehyde scavenger (core board)	Technical Urea
< 1	%	Glue (core board)	Isocyanate (MDI)*
< 1	%	Hardener (core board)	Ammonium nitrate / Ammonium sulphate / Chloride-free

*During the pressing process, the aminoplastic adhesive/MDI hardens fully. Under normal conditions, it is bound to the wood and chemically stable.

Product Emissions and Health Aspect

The product emits formaldehyde and volatile organic compounds from the used wood. During the EGGER Decorative TFL Particleboards TSCA 187 manufacturing processes, heat and pressure is applied in a short cycle press. The used resins are cured in the production process. In the use phase, the product is chemically stable under normal conditions. There are no known health hazards or adverse health effects to be expected under normal conditions, when the product is used as intended.
The product is subjected to annual emission tests surveillance by an independent third party.
Information on emission of the product can be obtained from the test certificate.
Requirements listed as fulfilled are NOT CERTIFIED stand-alone in this category! We can supply testing documentation proving compliance with the following requirements. 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.

Requirements	Substance/Indicator	Fulfillment	Requirement Details
TSCA Title VI	Formaldehyde	✓	U.S. Toxic Substances Control Act, external certification

Processing & Use

Safety, Processing and Maintenance Instructions

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).
For further information on safety, processing or maintenance instructions, see:

- Technical Datasheet
- Processing Instructions
- Cleaning and Care Instructions

End of Life – Reuse, Recycling, Incineration

The product is not classified as hazardous waste. Used EGGER Decorative TFL Particleboards TSCA 187 can be classified as glued, laminated waste wood without halogenated compounds in the lamination layer and without wood preservatives. See also the documents available for download at www.egger.com/environment:

- Manufacturer Declaration on Wood preservatives
- Manufacturer Declaration on halogenated organic compounds

Reuse	During remodeling or at the end of the utilization phase of a building, the product can 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	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 particleboards.
Incineration	After its utilization phase, the product should be separated and routed to an energetic recovery, due to its high calorific value. 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/Particleboards.

Compliances and Certifications

Production Plants and their Certifications

The product is manufactured at the following locations. You can find the certifications available for download linked in the column headings of the table below. The plant addresses are available in the footnotes.

Plant	Certification Obtained by This Plant or Product			
	Quality (ISO 9001)	Environment (ISO 14001)	Energy (ISO 50001)	Wood origin (ISO 38200)
Lexington, US	✓	✓	-	✓

Compliance with Building Certificates

An analysis was carried out for the requirements of the following certificates, and we can state that EGGER Decorative TFL Particleboards TSCA 187 is compliant as listed in the tables below. To fulfill some of the requirements of specific building certificates it is necessary to conduct an analysis of all used building products. This means that we cannot ensure the acquiring of points and that an individual assessment is necessary for each project. Also, our product may contribute beyond the listed requirements. If not otherwise mentioned, we can provide you with the necessary documents.

General Information:

Some building certificates, for example LEED v4.1 and WELL v2™ certification schemes, demand third party certification for gathering additional points in some of their optimization credits. At this point our product is **not certified** with the following certifications:

- Cradle to Cradle, Declare, Global Green TAG, Health Product Challenge, Living Product Challenge

In doubt, please refer to the certification program holder themselves.
Please note that our products are not certified or validated in any way by the building certification program holder. Reworking or manipulating the product (e. g. milling, sanding, drilling, coating or lacquering) may change product properties and thus invalidate certificate applicability. Fabricators need to test and certify their reworked or manipulated product on their own.

Click on the desired certificate for easy navigation to detailed information:

LEED v4.1 ✓ WELL v2™ ✓ BREEAM International v6 ✓

Relevant Documents for Building Certificates

Please click on the desired document to be redirected.

Relevant Documents	LEED	BREEAM	WELL
Testing Protocols**			
3rd Party Wood Certificate* **	(✓)	(✓)	
Certificate ISO 38200:2018	✓	✓	
Technical Datasheet (187)			
Cleaning Instructions			

Relevant Documents	LEED	BREEAM	WELL
Processing Instructions			
Manufacturer Declaration on Timber Origin	✓		
Manufacturer Declaration on Sustainable Forestry			
Manufacturer Declaration Asbestos			✓
Manufacturer Declaration HFR**			✓
Manufacturer Declaration PFAS**			✓
Manufacturer Declaration Wood Preservative			
Manufacturer Declaration on Biocides**			

✓: relevant *depends on bought product ** please contact your sales person for document acquiring or via email: environment@egger.com

Compliance with LEED v4.1

The following table shows all LEED credits which are applicable to the usage of our product. As the 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 USGBC | U.S. Green Building Council.

LEED Projects Outside U.S.

Please note that formaldehyde emission requirements in LEED v4.1 are deviating for projects inside U.S.

LEED v4.1 Requirements for Building Design + Construction (BD + C)
New Construction, Core and Shell, Schools, Retail, Healthcare, Data Centers, Hospitality, Warehouses and Distribution Centers
LEED v4.1 Requirements for Interior Design and Construction (ID + C)
Commercial Interiors, Retail, Hospitality

Please note that reworking or manipulating the product (e. g. milling, sanding, drilling, coating or lacquering) may invalidate the applicability of the following table.

Credit Category	Credit Name and Description	Product Contribution	Maximum Points
Material and Resources	**Environmental Product Declaration** Option 1: ▪ Environmental Product Declaration	This product currently has no EPD.	0 points
	Sourcing of Raw Materials Wood products ▪ Wood products must be certified by the Forest Stewardship Council ® or USGBC-approved equivalent.	The product can be purchased in 3rd party certified qualities **on request**. Use delivery receipt as evidence document. Please see chapter "Wood Origin" for further information.	2 points
	Recycled content ▪ Recycled content is the sum of postconsumer recycled content plus one-half of the preconsumer recycled.	The recycling content of the product depends on the production plant. Check the recycling content percentage as stated in our Manufacturer Declaration on Timber Origin or contact your sales person.	1 point
	Material Ingredient Material Inventory ▪ The manufacturer has published	Please see chapter "Constituent Materials" for content inventory.	1 point

Credit Category	Credit Name and Description	Product Contribution	Maximum Points
	complete content inventory of the product to at least 0.1% (1000ppm).		
Indoor Environmental Quality	**Low-Emitting Materials** VOC Emissions Evaluation Alternative compliance path: ▪ Compliance with German AgBB Testing and Evaluation Scheme Formaldehyde Emission Evaluation ▪ Alternative compliance path: ▪ Compliance with European E1	The product is usable beyond the scope of this Credit. For use within the Credit scope, please ask your sales person for an alternative product that meets the criterion, as no documentation on VOC emissions is available. The product is not tested in the way these criteria require.	Up to 3 points

LEED Projects inside U.S.

LEED v4.1 Requirements for Building Design + Construction (BD + C)
New Construction, Core and Shell, Schools, Retail, Healthcare, Data Centers, Hospitality, Warehouses and Distribution Centers
LEED v4.1 Requirements for Interior Design and Construction (ID + C)
Commercial Interiors, Retail, Hospitality

Please note that reworking or manipulating the product (e. g. milling, sanding, drilling, coating or lacquering) may invalidate the applicability of the following table.

Credit Category	Credit Name and Description	Product Contribution	Maximum Points
Material and Resources	As the requirements are identical for those for projects outside the U.S., please refer to the table for LEED Projects outside U.S.		
Indoor Environmental Quality	**Low-Emitting Materials** ▪ VOC Emissions Evaluation Product has been tested according to CDPH Standard Method v1.2-2017 ▪ Formaldehyde Emission Evaluation Certified as ultra-low emitting formaldehyde (ULEF), Certified as no added formaldehyde resins (NAF)	The product is not tested in the way these criteria require. The product does not fulfill ULEF requirements. For core board and decorative surface glue and resins on a formaldehyde base are used.	-

Compliance with WELL Building Standard v2™

EGGER Decorative TFL Particleboards TSCA 187 is compliant with the preconditions for use in WELL v2 certified building. Beyond that the usage of this product may contribute to gathering additional points within the WELL scoring system. As the actually achievable number of points depends on the attributes of all materials used in the building project and further actions by the constructor, we cannot guarantee to obtain the maximum score.
For full requirement terms please see: Standard | WELL V2

The following table shows all WELL features which are applicable to the usage of our product.

Please note that reworking or manipulating the product (e. g. milling, sanding, drilling, coating or lacquering) may invalidate the applicability of the following table.

Concept	Feature and Description	Product Contribution	Maximum Points
X01 Material Restrictions	**Part 1: Restrict Asbestos**	The product complies with this precondition. Use Manufacturer Declaration – Asbestos for evidence.	Precondition
X05 Enhanced Material Restrictions	**Part 2: Select Compliant Interior Furnishings and Interior Product** Ceiling and wall finishes and demountable wall partitions contain 100ppm by weight or less of the following: ▪ Halogenated flame retardants (HFR) ▪ Orthophtalates	The product complies with this requirement. No halogenated flame retardants (HFR) are used in this product. In general, no softening agents are used in the production of Particleboards, in particular phthalates. See chapter "Constituent Materials" above for your documentation. See Manufacturer Declaration on the Use of Halogenated Compounds for evidence.	1 point
X06 Volatile Compounds	**Part 2: Restrict VOC Emissions from Furniture, Architectural and Interior Products** Tested per methods and VOC emission threshold established in one of the following: ▪ CDPH ▪ AgBB ▪ 2. All Composite wood panels meet one of the following: ▪ European E1, TSCA, F**** or LEED v4.1	See chapter "Product Emissions & Health Aspects" for further information. The product is usable beyond the scope of this Credit. For use within the Credit scope, please ask your sales person for an alternative product that meets the criteria, as no documentation on VOC emissions is available.	Up to 4 points
X07 Material Transparency	**Part 1: Selects Products with Disclosed Ingredients** ▪ h) A manufacturers inventory down to 1000pm	The product is screened to at least 1000ppm and the manufacturer has provided a publicly available inventory within this document. See chapter "Constituent Materials" for documentation.	1 point
X08 Materials Optimization	Our product does not participate in any of the listed programs for this requirement. It does not contribute to achieve points.		0 points

BREEAM International New Construction Version 6.0

EGGER Decorative TFL Particleboards TSCA 187 is compliant with the preconditions for use in BREEAM v6.0 certified building and fulfills the emission requirements at exemplary level. Beyond that the usage of this product may contribute to gather additional points within the BREEAM scoring system. As the actually achievable number of points depends on the attributes of all used materials in the building project and further actions by the constructor, we cannot guarantee to obtain the maximum score.

For full requirement terms please see BREEAM | Sustainable Building Certification

The following table shows all BREEAM features which are applicable to the usage of our product.

Please note that reworking or manipulating the product (e. g. milling, sanding, drilling, coating or lacquering) may invalidate the applicability of the following table.

Concept	Feature and Description	Product Contribution	Maximum Credits
Hea 02 Indoor Air Quality	**Avoidance of asbestos**	The product complies with this prerequisite. See Manufacturer Declaration – Asbestos as evidence.	Prerequisite
	Minimizing sources of air pollution – Emissions from building products Emission criteria: ≤ Formaldehyde 0.08 mg/m³ ≤ TVOC 1 mg/m³ Category 1A and 1B carcinogens 0.001 mg/m³	Product meets the emission limit criteria. Please contact us for document acquiring via environment@egger.com.	1 Credit
Mat 01	**Environmental Product Declarations**	This product currently has no EPD.	0 Credits
Mat 03 Responsible Sourcing of Construction Products	**All timber based products used on the projects are legally harvested and traded timber.**	The product is verified by the ISO 38200:2018 statements. Additionally, the product can be purchased in other 3rd party certified qualities **on request**. Use delivery receipt as evidence. See chapter "Wood Origin" for further information.	Prerequisite

Footnotes

Plant Addresses

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

List of Abbreviations

Abbreviation	Meaning
CDPH	California Department of Public Health
TSCA	Toxic Substances Control Act
HFR	Halogenated Flame Retardants
PFAS	Per- and Polyfluoroalkyl Substances
EPD	Environmental Product Declaration
VOC	Volatile Organic Compounds