

# Environmental & Health Data Sheet

Self-declaration according to ISO 14021

## EGGER Laminate

EGGER laminates are decorative laminates based on curable resins. They have a multilayer structure and consist of melamine resin impregnated decorative paper and one or more layers of soda kraft paper impregnated with phenolic resins, which are laminated under high pressure and heat. EGGER laminates are non-weight-bearing materials and suitable for indoor applications only. The laminates are used for the lamination of wood-based materials or other core boards as composite elements for indoor applications in furniture construction and interior design.

## Raw Materials & Primary Products

### Wood origin for paper production

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](http://www.egger.com/environment):

Manufacturer's Declaration – Timber origins (Pdf)

- Manufacturer Declaration – Sustainable Forestry (Pdf)
- Certificate ISO 38200:2018 (Pdf)
- Further 3<sup>rd</sup> party certificates of sustainable wood procurement (Pdf) (Pdf)

### Renewable content

	Renewable content	Fossil-based content
EGGER Laminate	60 %	40 %

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

### Recycled content

	Virgin material	Co-products	Pre-consumer recycling material	Post-consumer recycling material
EGGER Laminate	100 %	0 %	0 %	0 %

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

### Carbon Footprint

	Global warming potential
1 m <sup>2</sup> EGGER Laminate	2.03 kg CO <sub>2</sub> -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.

## Constituent materials

EGGER laminates are constructed by fusing multiple layers and consists of melamine resin impregnated decor paper and several phenolic resin impregnated core 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
64 -68	%	Paper core layers, decorative layer and overlay	1% overlay paper, 17% decorative paper, 13 % parchment paper (core layers), 69% soda kraft paper (core layers)  Average cellulose content 91%
18 - 21	%	Phenole formaldehyde resin	Polymer on a melamine, phenole and formaldehyde basis/  <i>During the pressing process, the aminoplastic resin hardens fully. Under normal conditions , it is bound to the paper and chemically stable</i>
9 - 11	%	Melamine- formaldehyde resin	Polymer on a melamine formaldehyde basis /  <i>During the pressing process, the aminoplastic resin hardens fully. Under normal conditions , it is bound to the wood and chemically stable</i>
3 - 4	%	Flexibilizer	Di-ethylene glycole
< 2	%	Hardener	Amine salt in water/  <i>chloride-free</i>
< 1	%	High abrasive wear layer (ingredient of overlay)	Corund (high abrasive mineral)
< 1	%	pH Catalyst	PTS acid
< 1	%	Release agent	Blend of ethoxylated and modified alcohols

## 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](http://www.egger.com/environment). For production plant's address kindly see footnotes at the end of this document.

Plant <sup>i</sup>	Certifications <sup>ii</sup> obtained by this plant			
	Quality	Environment	Energy	Wood origin
Gifhorn, D	ISO 9001	ISO 14001	ISO 50001	ISO 32800

## Processing

### Safety

This product is not hazardous in the form in which it is shipped by the manufacturer. Dust may be generated during processing. There is a risk of sensitization of the skin and respiratory tract. Depending on the processing and the particle size, especially when inhaling dust, there may be further health risks. The formation of dust must be taken into account when assessing risks in the workplace. In particular in the case of machining processes (e.g. sawing, planing, milling), an effective extraction system must be used in accordance with the applicable health and safety regulations. If there is no adequate suction, suitable respiratory protection must be worn.

## Technical data

See Technical Datasheets available at the product download area at [www.egger.com/products](http://www.egger.com/products)

## Use

### Product certification

- TÜV ProfiCert Product Interior PREMIUM

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

- ISO 38200:2018
- Further 3<sup>rd</sup> party certificates of sustainable wood procurement

To download certificates, see EGGER environmental downloads at [www.egger.com/environment](http://www.egger.com/environment) and product category's downloads at [www.egger.com/products](http://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 Laminate'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 product is subjected to annual tests within the scope of TÜV PROFICERT-product Interior surveillance by an independent third party. Please note: requirements listed as met "via TÜV PROFICERT" are NOT CERTIFIED stand-alone in this category!

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 <sup>ii</sup>
Formaldehyde	✓	E1	Formaldehyde class E1, according to EN DIN EN 16516, external testing
Formaldehyde	✓	E1 DE 2020 $\triangleq$ E1E05	German ChemVerbotsVO Formaldehyde class E1 from 1.1.2020, external testing
VOC, Formaldehyde, Carcinogens, Ammonia, Nitrosamines	✓	TÜV PROFICERT-product Interior PREMIUM	Common Label for the Health and Quality Assessment of Interior Products
VOC, Carcinogens	✓	AgBB 2018	via TÜV PROFICERT (see above)
VOC	✓	French VOC regulation, emission class A+	via TÜV PROFICERT (see above)
VOC	✓	Belgian VOC regulation	via TÜV PROFICERT (see above)
VOC, Formaldehyde, Carcinogens, harmful substances	✓	CAM Italy	via TÜV PROFICERT (see above)
VOC, Formaldehyde, Carcinogens	✓	BREEAM Exemplary Level	via TÜV PROFICERT (see above)
VOC	✓	Finnish M1 classification	via TÜV PROFICERT (see above)
Formaldehyde, VOC Carcinogens, harmful substances	✓	DE-UZ 76 (Blue Angel)	via TÜV PROFICERT (see above)
Formaldehyde	✓	LEED v4 (outside North America)	via TÜV PROFICERT (see above)

Substance / indicator	Product has been tested and fulfils emission requirement	Requirement	Requirement details <sup>ii</sup>
Formaldehyde Melamine	✓	Food safety	European Plastics Regulation (EU) No 10/2011, Guidelines on testing conditions for articles in contact with foodstuffs
Antimony, arsenic, barium, cadmium, chromium, lead, mercury, selenium	✓	Safety of toys	DIN EN 71-3: Safety of toys

## End of life – Waste treatment

### Reuse

Since laminates are usually used as composite materials, reuse is not possible.

### Recycling – Material use

Laminate itself cannot be recycled for the same use. But if it is applied on a chipboard carrier, the laminated chipboards still can be recycled and are actively used for 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. **15 – 16 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 the core board, on which the EGGER Laminate is glued.

Waste code according to European Waste Catalogue, depending on type and volume of the core board, on which the EGGER Laminate is glued:

- 17 02 01 Construction & Demolition Waste: Wood
- 03 01 03 Construction & Demolition Waste: Plastic

The product itself is not classified as hazardous waste. If the wood composites, that are covered by EGGER Laminate also do not contain wood reservatives and halogenated compounds, the waste 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](http://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 Laminate (Pdf)  
available for download at [www.egger.com/environment](http://www.egger.com/environment)



## Compliance with LEED v4

The EGGER Laminate is compliant with the prerequisites for use in LEED certified buildings outside the U.S. Beyond that the usage of a EGGER Laminate 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](http://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"> <li>EPD Laminate (Pdf)</li> </ul> available for download at <a href="http://www.egger.com/environment">www.egger.com/environment</a>
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.	2 Points	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"> <li>Sustainability report (Pdf)</li> </ul> available for download at <a href="http://www.egger.com/environment">www.egger.com/environment</a> .
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.		Yes, the product can be purchased in 3 <sup>rd</sup> party certified qualities <b>on request</b> . Use delivery receipt as evidence document. See also chapter "Wood origin" of this document.
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	1 Point	<i>This product does not contain any recycled material. See "Constituent materials" section above to obtain further information.</i>
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	Product complies with the LCI values of the German AgBB scheme. See "Product emissions & Health aspects" section above for further information. Use <ul style="list-style-type: none"> <li>TÜV PROFICERT-product Interior PREMIUM</li> </ul> as evidence document, available for download at <a href="http://www.egger.com/downloads">www.egger.com/downloads</a> .
Indoor Environmental Quality	Low-emitting Materials- Formaldehyde emissions evaluation For projects <b>outside the U.S.</b> , 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 DE 2020. See "Product emissions & Health aspects" section above for further information. Use <ul style="list-style-type: none"> <li>TÜV PROFICERT-product Interior PREMIUM</li> </ul> as evidence document, available for download at <a href="http://www.egger.com/downloads">www.egger.com/downloads</a> .

## Projects inside U.S.

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

<b>LEED v4 Requirements for Building Design + Construction (BD+C)</b> New Construction, Core and Shell, Schools, Retail, Healthcare, Data Centers, Hospitality, Warehouses and Distribution Centers			<b>Product contributions</b>
<b>LEED v4 Requirements for Interior Design + Construction (ID+C)</b> 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"> <li>EPD Laminate (Pdf)</li> </ul> available for download at <a href="http://www.egger.com/environment">www.egger.com/environment</a>
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.	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"> <li>Sustainability report (Pdf)</li> </ul> available for download at <a href="http://www.egger.com/environment">www.egger.com/environment</a> .
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.		Yes, the product can be purchased in 3 <sup>rd</sup> party certified qualities <b>on request</b> . Use delivery receipt as evidence document. See also chapter "Wood origin" of this document.
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.	1 Point	<i>This product does not contain any recycled material. See "Constituent materials" section above to obtain further information.</i>
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.		<i>The product does not fulfil ULEF requirements. Resin on a formaldehyde basis is used.</i>

## Compliance with WELL Building Standard v2™

EGGER Laminate 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](http://www.wellcertified.com).

Requirements			Product contributions
Chapter	Requirement summary	Maximum Points	
<b>X01 Material Precautions</b>	Restrict asbestos, mercury and lead.	Precondition	<p>The product complies with this precautions. See <a href="#">Manufacturer's Declaration – Asbestos (Pdf)</a> available for download at <a href="http://www.egger.com/environment">www.egger.com/environment</a>. Use</p> <ul style="list-style-type: none"> <li>TÜV PROFICERT-product Interior PREMIUM</li> </ul> <p>as evidence document for healthy living products, available for download at <a href="http://www.egger.com/downloads">www.egger.com/downloads</a>.</p>
<b>X05 Enhanced Material Restrictions</b>	<b>Part 2a Select Compliant Architectural and Interior Products:</b> Flooring products, ceiling and wall panels contain halogenated flame retardants (HFR) at less than 100 ppm.	1 Point	<p>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 &amp; compliance team at <a href="mailto:environment@egger.com">environment@egger.com</a> to get Manufacturer's declaration on the use of halogenated compounds (Pdf).</p>
<b>X05 Enhanced Material Restrictions</b>	<b>Part 2a Select Compliant Architectural and Interior Products:</b> Newly installed floorings and furniture contain Orthophthalates at less than 100 ppm.		<p>In general, no softening agents are used in the production of , laminates in particular no phthalates. See "Constituent materials" section above for your documentation.</p>
<b>X06 Volatile Compound reduction</b>	<b>Part 2a Restrict VOC Emissions from Furniture, Architectural and Interior Products:</b> Furniture and wall panels tested per AgBB or CDPH method and VOC emission threshold established.	2 Points	<p>Product complies with the LCI values of the German AgBB scheme. See "Product emissions &amp; Health aspects" section above for further information. Use</p> <ul style="list-style-type: none"> <li>TÜV PROFICERT-product Interior PREMIUM</li> </ul> <p>as evidence document, available for download at <a href="http://www.egger.com/downloads">www.egger.com/downloads</a>.</p>
<b>X06 Volatile Compound reduction</b>	<b>Part 2c2 Restrict VOC Emissions from Furniture, Architectural and Interior Products:</b> Composite wood panels meet the formaldehyde standards European E1, TSCA, F*** or LEED v4.1		<p>Product is tested per EN 717-1:2014 for formaldehyde emissions and complies with emissions class E1 DE 2020. See "Product emissions &amp; Health aspects" section above for further information. Use</p> <ul style="list-style-type: none"> <li>TÜV PROFICERT-product Interior PREMIUM</li> </ul> <p>as evidence document, available for download at <a href="http://www.egger.com/downloads">www.egger.com/downloads</a>.</p>
<b>X07 Material Transparency</b>	<b>Part 1: Select Products with Disclosed Ingredients:</b> Promote ingredient disclosure with ingredients identified and disclosed to 1,000 ppm.	1 Point	<p>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.</p>
<b>X08 Materials Optimization</b>	<b>Part 1 Select Material with Enhanced Chemical Restrictions:</b> 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	<p><i>Currently our product does not participate in any of the listed programs. It does not contribute to achieve points for this requirement.</i></p>
<b>X08 Materials Optimization</b>	<b>Part 2 Select Optimized Products:</b> Product is certified by one of the listed programs (e.g. Cradle to Cradle)		<p><i>Currently our product does not participate in any of the listed programs. It does not contribute to achieve points for this requirement.</i></p>

## Compliance with BREEAM International New Construction 2016

EGGER Laminate is compliant with the preconditions for use in BREEAM 2016 certified buildings and fulfils the emission requirements at exemplary level. Beyond that the usage of this product may contribute to gather additional points within the BREEAM scoring system. *Requirements given in italics are currently not met by the product.* 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](http://www.breeam.com).

Requirements			Product contributions
Chapter	Requirement summary	Maximum Credits	
<b>Mat 01</b> <b>Life cycle impacts</b>	Environmental product declarations (EPD) – product installed by Post-Construction Stage is covered by verified EPD	1 Credit	This product has a verified Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804. See <ul style="list-style-type: none"> <li>▪ EPD Laminate (Pdf)</li> </ul> available for download at <a href="http://www.egger.com/environment">www.egger.com/environment</a>
<b>Mat 03</b> <b>Responsible sourcing of construction products</b>	All timber-based products used on the project are legally harvested and traded timber.	Prerequisite	The product is verified by the ISO 38200 : 2018 statements. The standard considers all legality requirements in the respective purchasing or production country and all environmental and social criteria known in the ISO system. See also chapter “Wood origin” of this document.  Additionally, the product can be purchased in other 3 <sup>rd</sup> party certified qualities on request. Use delivery receipt as evidence document.
<b>Hea 02</b> <b>Indoor air quality</b>	Avoidance of asbestos.	Prerequisite	The product complies with this prerequisite. See <a href="#">Manufacturer’s Declaration – Asbestos (Pdf)</a> available for download at <a href="http://www.egger.com/environment">www.egger.com/environment</a>
<b>Hea 02</b> <b>Indoor air quality</b>	Minimising sources of pollution - Emissions from building products. Product should meet the exemplary level emission criteria  Formaldehyde $\leq 0.01 \text{ mg/m}^3$  TVOC $\leq 0.3 \text{ mg/m}^3$  TSVOC $\leq 0,001 \text{ mg/m}^3$  Category 1A and 1B carcinogens $\leq 0.001 \text{ mg/m}^3$	2 Credits	Product meets the exemplary level emissions criteria. Use <ul style="list-style-type: none"> <li>▪ TÜV ProfiCert Product Interior PREMIUM</li> </ul> as evidence document, available for download at <a href="http://www.egger.com/downloads">www.egger.com/downloads</a> .

## Compliance with DGNB System Version 2020 International – New buildings criteria set

The DGNB Silver, Gold and Platinum ratings result from the overall level of fulfillment of the building project. Which quality levels EGGER Laminate fulfills according to the DGNB system and where you can find the required verifications can be found in the following table. The contributions to the overall degree of fulfillment resulting from this according to the DGNB point system depend, among other things, on the relevance of the product group for the overall building. Please note that other criteria are also relevant for the overall rating of the building. We can therefore not guarantee a score to be obtained through the use of EGGER Laminate.

Requirements			Product contributions
Topic	Requirement summary	Quality level	
<b>ENV1.1</b> <b>Building life cycle assessment</b>	The building life cycle assessment requires building material data. Specific and verified life cycle assessment data (e.g. Environmental Product Declaration, EPD) should be preferred over general, generic life cycle assessment data.	General requirement	This product has a verified Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804. See <ul style="list-style-type: none"> <li>EPD Laminate (Pdf)</li> </ul> available for download at <a href="http://www.egger.com/environment">www.egger.com/environment</a>
<b>ENV1.2</b> <b>Local environmental impact</b>	Wood materials equipped with flame retardents:  Boron compounds ≤ 0.1%	4	Surveillance of boron compounds is covered by the TÜV PROFICERT product Interior PREMIUM certificate. See "Product emissions & Health aspects" section above for further information. Use <ul style="list-style-type: none"> <li>TÜV PROFICERT-product Interior PREMIUM</li> <li>as evidence document, available for download at <a href="http://www.egger.com/downloads">www.egger.com/downloads</a></li> </ul>
<b>ENV1.2</b> <b>Local environmental impact</b>	Interior walls, floor and ceiling coverings (such as fibreboards):  Asbestos free	4	The product complies with this requirement. See <a href="#">Manufacturer's Declaration – Asbestos (Pdf)</a> available for download at <a href="http://www.egger.com/environment">www.egger.com/environment</a>
<b>ENV1.2</b> <b>Local environmental impact</b>	Documentation of emission: Certification (by a laboratory accredited in accordance with ISO 17025 that the product or system complies with the AgBB criteria	4	Product complies with the LCI values of the German AgBB scheme. See "Product emissions & Health aspects" section above for further information. Use <ul style="list-style-type: none"> <li>TÜV PROFICERT-product Interior PREMIUM</li> </ul> as evidence document, available for download at <a href="http://www.egger.com/downloads">www.egger.com/downloads</a> .
<b>ENV1.2</b> <b>Local environmental impact</b>	No chemical wood preservative in the interior.	4	During the production of EGGER Laminate no wood preservatives are added. See <a href="#">Manufacturer's declaration Wood Preservatives (Pdf)</a> available for download at <a href="http://www.egger.com/environment">www.egger.com/environment</a> .
<b>ENV1.3</b> <b>Sustainable resource extraction</b>	Certified sustainable resource extraction	1.3	The product is verified by the ISO 38200 : 2018 statements. See also chapter "Wood origin" of this document. Additionally, the product can be purchased in other 3 <sup>rd</sup> party certified qualities on request. Use delivery receipt as evidence document.

## Compliance with Nordic Swan Ecolabel

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

The product EGGER Laminate 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 Laminate no other documents are necessary for your application.

### Furniture and Fitments, version 4.15

If you are planning to certify a furniture product with the Nordic Swan Ecolabel, we as your supplier are happy to provide you with the required evidence documents, as shown below. From our current knowledge, all other requirements beyond this list are not applicable to this product from the raw material supplier. When in doubt, please always take the original criteria version as a reference at the official Nordic Swan website.

Requirements		Product contributions
Chapter	Requirement summary	
<b>R11 Origin and traceability</b>	Written procedure ensuring traceability to the origin of the raw materials	The product complies with the requirement. The following evidence document can be used: <ul style="list-style-type: none"><li>▪ Certificate ISO 38200:2018 (Pdf)</li></ul> available for download at <a href="http://www.egger.com/environment">www.egger.com/environment</a> .
<b>R12 Chemical products and additives</b>	Chemical products and additives/constituent substances used in the production of wood-based panels must satisfy the requirements of R3, R4 and R5 in Chapter 2.1.	The product complies with the requirement. Please get in touch with the EGGER product sustainability & compliance team at <a href="mailto:environment@egger.com">environment@egger.com</a> to get Form 2a documents and safety data sheets for each chemical product and additive/ constituent substance.
<b>R13 Formaldehyde</b>	Average emissions of formaldehyde must not exceed 0.07 mg/m <sup>3</sup> air as determined by the current version of EN 717-1	Product is tested per EN 717-1:2014 for formaldehyde emissions and complies with emissions class E1 DE 2020. See "Product emissions & Health aspects" section above for further information. Use <ul style="list-style-type: none"><li>▪ TÜV PROFICERT-product Interior PREMIUM</li></ul> as evidence document, available for download at <a href="http://www.egger.com/downloads">www.egger.com/downloads</a> .

## Compliance with other labels & regulations

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

- [www.egger.com/environment](http://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](mailto:environment@egger.com)

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

## Footnotes

i

Production plant	Address
Gifhorn., D	EGGER Kunststoffe Gifhorn GmbH & Co. KG, Im Weilandmoor 2, 38518 Gifhorn (D)

ii

Product Certifications	
ISO 38200:2018	ISO 38200:2018 Chain of Custody of wood and wood-based products
TÜV PROFICERT PREMIUM	TÜV PROFICERT-product Interior PREMIUM certification criteria V1.3

iii

Substance	Requirement	Norm reference	Limit value	Testing method
Formaldehyde	E1	Chemicals Act (Chemicals Prohibition Ordinance; German: Chemikalien-Verbotsverordnung, ChemVerbotsV), Appendix 1 to Section 3, Entry 1: "Formaldehyde" Clause 2(1)	0.1 ppm	DIN EN 16516
Formaldehyde	E1 DE 2020 $\cong$ E1E05	Chemicals Act (Chemicals Prohibition Ordinance; German: Chemikalien-Verbotsverordnung, ChemVerbotsV), Appendix 1 to Section 3, Entry 1: "Formaldehyde" Clause 2(1)	0.1 ppm [test result x factor 2]	DIN EN 717-1
TVOC TSVOC Toloule Formaldehyde Acetaldehyde CMR substances 1A & 1B R value TVOC w/o LCI	AgBB 2018	AgBB 2018 evaluation scheme for VOC emissions from construction products, Committee for Health-related Evaluation of Building Products (German: Ausschuss zur gesundheitlichen Bewertung von Bauprodukten AgBB)	$\leq 1000 \mu\text{g}/\text{m}^3$ $\leq 100 \mu\text{g}/\text{m}^3$ $2900 \mu\text{g}/\text{m}^{3*}$ $100 \mu\text{g}/\text{m}^{3*}$ $1200 \mu\text{g}/\text{m}^{3*}$ $\leq 1 \mu\text{g}/\text{m}^3$ $\leq 1$ $\leq 100 \mu\text{g}/\text{m}^3$ *) NIK, LCI, CLI	DIN ISO 16000-3, -6, 9, -11, DIN EN 16516
TVOC (AgBB) TVOC (DIN EN 16516) TSVOC	TÜV PROFICERT PREMIUM	TÜV PROFICERT-product Interior PREMIUM v. 1.3 for details see	$< 300 \mu\text{g}/\text{m}^3$ (28d) $\leq 200 \mu\text{g}/\text{m}^2\text{h}$ (28d) $\leq 100 \mu\text{g}/\text{m}^3$ (28d)	ISO 16000 parts 3, 6, 9, 11/EN 16516

VOC R value Formaldehyde 1,4-Dichlorobenzol Trichlorethylene DEHP DBP Carcinogenic, mutagenic substances and substances toxic to reproduction (EU-category 1A and 1B according to CLP Regulation (EC) No 1272/2008) Ammoniac Nitrosamines Formaldehyde according to "ChemVerbotsV E1 DE 2020 (DIN EN 717-1, result with factor 2) Formaldehyde according to "ChemVerbotsV E1 DE 2020 (DIN EN 16516)		proficert.de	< 100 µg/ m³ (28d) < 1.0 µg/ m³ (28d) < 10 µg/ m³ (28d) < 60 µg/ m³ (28d) ≤ 1 µg/ m³ (28d) ≤ 1 µg/ m³ (28d) ≤ 1 µg/ m³ (28d) ≤ 1 µg/ m³ (28d) ≤ 24 µg/ m³ (28d) ≤ 0.2 µg/ m³ (28d) ≤ 0.1 ppm (28d) ≤ 0.1 ppm (28d)	
VOC Carcinogens	German AgBB	covered by TÜV PROFICERT-product Interior PREMIUM	see TÜV PROFICERT	see TÜV PROFICERT
VOC	French A+	covered by TÜV PROFICERT-product Interior PREMIUM	see TÜV PROFICERT	see TÜV PROFICERT
VOC	Belgian VOC regulation	covered by TÜV PROFICERT-product Interior PREMIUM	see TÜV PROFICERT	see TÜV PROFICERT
Formaldehyde VOC	Minimum Environmental Criteria CAM Italy	covered by TÜV PROFICERT-product Interior PREMIUM	see TÜV PROFICERT	see TÜV PROFICERT
VOC Formaldehyde Carcinogens	BREEAM International, Exemplary Level	covered by TÜV PROFICERT-product Interior PREMIUM	see TÜV PROFICERT	see TÜV PROFICERT
VOC	Finnish M1 classification	covered by TÜV PROFICERT-product Interior PREMIUM	see TÜV PROFICERT	see TÜV PROFICERT
VOC Formaldehyde Carcinogens	DE-UZ 76 (Blue Angel)	covered by TÜV PROFICERT-product Interior PREMIUM	see TÜV PROFICERT	see TÜV PROFICERT
VOC Carcinogens	Annex 8 MVV TB/ ABG, 2019/1	covered by TÜV PROFICERT-product Interior PREMIUM	see TÜV PROFICERT	see TÜV PROFICERT
Formaldehyde VOC	LEED v4 (outside North America)	covered by TÜV PROFICERT-product Interior PREMIUM	see TÜV PROFICERT	see TÜV PROFICERT
Σ PAK/ PAH	AfPS GS 2014:01 PAK	AfPS GS 2014:01 PAK	< 1 mg/kg	AfPS GS 2014:01

