E EGGER

Environmental & Health Data Sheet

Self-declaration according to ISO 14021

EGGER PerfectSense Laquered Board Premium Matt / Premium Gloss

The EGGER PerfectSense Lacquered Board is a decorative, melamine faced wood-based material on an EGGER MDF ST E1 TSCA core board for interior uses. It is provided with a one-sided UV coating as standard. Due to homogeneity of the carrier material, a high gloss surface with a mirror finish effect can be produced (PerfectSense Premium Gloss), or a particularly matt surface with a velvety feel anti-fingerprint property (PerfectSense Premium Matt).

Raw Materials & Primary Products

Wood origin

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

Manufacturer's Declaration – Timber origins (Pdf)

- Manufacturer Declaration – Sustainable Forestry (Pdf)

- Certificate ISO 38200:2018 (Pdf)

- Further 3rd party certificates of sustainable wood procurement (Pdf) (Pdf)

Renewable content

	Renewable content	Fossil-based content
EGGER PerfectSense Laquered Board Premium Matt/Gloss	83 %	17 %

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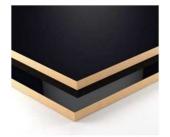
Recycled content

	Virgin material	Co-products	Pre-consumer recycling material	Post-consumer recycling material
EGGER PerfectSense Laquered Board Premium Matt/Gloss	25 %	75 %	0 %	0 %

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

Carbon Footprint

	Global warming potential
1 m³ EGGER PerfectSense Laquered Board Premium Matt/Gloss	-9.4 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.

Constituent materials

The PerfectSense lacquered board is a one-side UV coated, melamine faced medium-density fibre (MDF) board, containing the core board, two lamination layers, and one UV coating layer.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 fibres (core board)	Industrial round wood and saw mill by-products
10	%	Glue (core board)	Urea-Formaldehyde Glue (UF)
<1.5	%	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*
<1	%	Lacquer Coating	Acrylic resin (UV curing)
<0.5	%	Hydrophobing agent (core board)	Paraffine wax emulsion
< 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 www.egger.com/environment. 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
Brilon, 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. 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 PerfectSense lacquered boards Premium Matt and Premium Gloss (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 certification

The product is certified [ii] according to:

- TÜV ProfiCert Product Interior Standard

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

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

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

Product emissions & Health aspects

Natural wood constituents may be released in small quantities. Minor amounts of formaldehyde can be detected. During the EGGER PerfectSense Laquered Board Premium Matt and Gloss 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 [ii]
VOC, Formaldehyde; Carcinogens	✓	DE UZ 76 (Blue Angell)	Evaluation of VOC and formaldehyde emissions according to DE-UZ 76 (02/2016)
VOC, Formaldehyde, Carcinogens, Ammonia, Nitrosamines	✓	TÜV PROFiCERT-product Interior Standard	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 General Level	via TÜV PROFiCERT (see above)
VOC	✓	Annex 8 MVV TB / ABG	via TÜV PROFiCERT (see above)
Formaldehyde	✓	ChemVerbotsV E1 DE 2020	via TÜV PROFiCERT (see above)
Formaldehyde, VOC	✓	LEED v4 (outside North America)	via TÜV PROFiCERT (see above)

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

The use of post-consumer MDF as a raw material for the production of new MDF boards on large scale is technical not feasible, yet. MDF core boards can be tolerated in small quantities in the waste wood stream, but cannot be used as the sole source 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. 18.5 MJ/kg. Upon incineration, kindly observe all locally applicable legal requirements for the correct dimensions, required filter technologies, operating conditions, and legal permissions for burning wood-based panels/chipboards.

Waste code according to European Waste Catalogue, depending on origin of the waste:
- 17 02 01 Construction & Demolition Waste Wood or
- 03 01 05 sawdust, shavings, cuttings, wood, particle board and veneer not containing hazardous substances

The product is not classified as hazardous waste. Used EGGER PerfectSense Laquered Board Premium Matt/Gloss 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 PerfectSense Lacquered Board (PDF)
  available for download at www.egger.com/environment

Compliance with LEED v4

The EGGER PerfectSense Laquered Board Premium Matt and Gloss is compliant with the prerequisites for use in LEED certified buildings outside the U.S. Beyond that the usage of a EGGER PerfectSense Laquered Board Premium Matt and Gloss 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 PerfectSense Laquered Board (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.	2 Points	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.		Yes, the product can be purchased in 3rd party certified qualities **on request**. 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*	*As sawmill by-products are not defined as recycled material according to LEED, this product does not contain any recycled material. 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	Product complies with the LCI values of the German AgBB scheme. See "Product emissions & Health aspects" section above for further information. Use ▪ TÜV PROFiCERT-product Interior Standard as evidence document, available for download at www.egger.com/downloads.
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.		Use ▪ TÜV PROFiCERT-product Interior Standard as evidence document, available for download at www.egger.com/downloads.

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 PerfectSense Lacquered Board (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.	2 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.		Yes, the product can be purchased in 3rd party certified qualities **on request**. 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	*As sawmill by-products are not defined as recycled material according to LEED, this product does not contain any recycled material. 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.		*The product does not fulfil ULEF requirements. For core board and decorative surface glue and resins on a formaldehyde base are used.*

Compliance with WELL Building Standard v2™

EGGER PerfectSense Laquered Board Premium Matt and Gloss 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. Use ▪ TÜV PROFiCERT-product Interior Standard as evidence document for healthy living products, available for download at www.egger.com/downloads.
X05 Enhanced Material Restrictions	**Part 2a Select Compliant Architectural and Interior Products:** Flooring 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.		In general, no softening agents are used in the production of fibre boards, in particular no phthalates. 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.	2 Points	Product complies with the LCI values of the German AgBB scheme. See "Product emissions & Health aspects" section above for further information. Use ▪ TÜV PROFiCERT-product Interior Standard as evidence document, available for download at www.egger.com/downloads.
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		Use ▪ TÜV PROFiCERT-product Interior Standard as evidence document, available for download at www.egger.com/downloads.
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*	*Currently our product does not participate in any of the listed programs. It does not contribute to achieve points for this requirement.*
X08 Materials Optimization	**Part 2 Select Optimized Products:** Product is certrified by one of the listed programs (e.g. Cradle to Cradle)		*Currently our product does not participate in any of the listed programs. It does not contribute to achieve points for this requirement.*

Compliance with BREEAM International New Construction 2016

EGGER PerfectSense Laquered Board Premium Matt and Gloss is compliant with the preconditions for use in BREEAM 2016 certified buildings and fulfils the emission requirements at general 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.

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 Credit	This product has a verified Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804. See ▪ EPD PerfectSense Lacquered Board (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 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 3rd party certified qualities on request. Use delivery receipt as evidence document.
Hea 02 **Indoor air quality**	Avoidance of asbestos.	Prerequisite	The product complies with this prerequisite. See Manufacturer's Declaration – Asbestos (Pdf) available for download at www.egger.com/environment
Hea 02 **Indoor air quality**	Minimising sources of pollution - Emissions from building products. Product should meet the standard level emission criteria Formaldehyde ≤ 0.08 mg/m³ TVOC ≤ 1.0 mg/m³ Category 1A and 1B carcinogens ≤ 0.001 mg/m³	Prerequisite	Product meets the standard level emissions criteria. Use ▪ TÜV ProfiCert Product Interior Standard as evidence document, available for download at www.egger.com/downloads.

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 PerfectSense Laquered Board Premium Matt and Gloss 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 PerfectSense Laquered Board Premium Matt and Gloss.

Requirements			Product contributions
Topic	**Requirement summary**	**Quality level**	
ENV1.1 **Building life cycle assessment**	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 ▪ EPD PerfectSense Laquered Board (PDF) available for download at www.egger.com/environment
ENV1.2 **Local environmental impact**	Wood materials equipped with flame retardents: Boron compounds ≤ 0.1%	4	No boron or boron compounds are used in the production processes of our products. Because of the use of post-consumer recycling material we cannot exclude trace amounts of boron in our products. We guarantee that traces of boron in the our products are far below the concentration of 0,1%(m/m). For your documentation, please ask at environment@egger.com for ▪ Manufacturer's Declaration on the concentrations of boron in EGGER wood based products (Pdf)
ENV1.2 **Local environmental impact**	Interior walls, floor and ceiling coverings (such as fibreboards): Asbestos free	4	The product complies with this requirement. See Manufacturer's Declaration – Asbestos (Pdf) available for download at www.egger.com/environment
ENV1.2 **Local environmental impact**	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 ▪ TÜV PROFiCERT-product Interior Standard as evidence document, available for download at www.egger.com/downloads.
ENV1.2 **Local environmental impact**	No chemical wood preservative in the interior.	4	During the production of EGGER PerfectSense Laquered Board Premium Matt/Gloss no wood preservatives are added. See Manufacturer's declartion Wood Preservatives (Pdf) available for download at www.egger.com/environment.
ENV1.3 **Sustainable resource extraction**	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 3rd party certified qualities on request. Use delivery receipt as evidence document.
TEC1.6 **Ease of recovery and recycling**	Recycling and disposal path: Energy recovery	1	MDF boards can be tolerated in small quantities in the waste wood stream, but cannot serve as the stand-alone source for new rawboard production. Due to the high calorific value of the product, it is therefore recommended to be thermally recovered.

Compliance with Nordic Swan Ecolabel

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

The product EGGER PerfectSense Lacquered Board Premium Matt and Gloss 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 PerfectSense Lacquered Boards Premium Matt and Gloss 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**	
R11 Origin and traceability	Written procedure ensuring traceability to the origin of the raw materials	The product complies with the requirement. The following evidence document can be used: ▪ Certificate ISO 38200:2018 (Pdf) available for download at www.egger.com/environment.
R12 Chemical products and additives	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 environment@egger.com to get Form 2a documents and safety data sheets for each chemical product and additive/ constituent substance.
R13 Formaldehyde	Average emissions of formaldehyde must not exceed 0.07 mg/m³ air as determined by the current version of EN 717-1	Use ▪ TÜV PROFiCERT-product Interior Standard as evidence document, available for download at www.egger.com/downloads. Product is tested per EN 717-1:2014 for formaldehyde emissions and complies with emissions class E1.

Compliance with other labels & regulations

Additional information in the form of manufacturer declarations, EPDs and brochures is available at
▪ www.egger.com/environment

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

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

Footnotes

i

Production plant	Address
Brilon, D	EGGER Holzwerkstoffe Brilon GmbH & Co. KG, Im Kissen 19, 59929 Brilon (D)

ii

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

iii

Substance	Requirement	Norm reference	Limit value	Testing method
TVOC TSVOC Carcinogenic substances Total VOC without LCI R value Formaldehyde	DE-UZ 76	Basic Criteria for Award of the Environmental Label Low-Emission Panel-Shaped Materials (Construction and Furnishing Panels) for Interior Construction RAL-UZ 76	≤ 0.8 mg/m³ wood-based panels; ≤ 0.3 mg/m³ other panels (28d) ≤ 0.1 mg/m³ (28d) ≤ 1 µg/m³ per single value (28d) ≤ 0.1 mg/m³ (28d) ≤ 1 (28d) ≤ 80 µg/m³ (28d)	DIN EN 16516 (10/2020)
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
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)	≤ 1000 µg/m³ ≤ 100 µg/m³ 2900 µg/m³*) 100 µg/m³*) 1200 µg/m³*) ≤ 1 µg/m³ ≤ 1 ≤ 100 µg/m³ *) NIK, LCI, CLI	DIN ISO 16000-3, -6, 9. - 11, DIN EN 16516
TVOC TSVOC VOC R value Formaldehyde	TÜV PROFiCERT Standard	TÜV PROFiCERT-product Interior Standard v 1.3 for details see proficert.de	≤ 1,000 µg/ m³ (28d) ≤ 100 µg/ m³ (28d) ≤ 100 µg/ m³ (28d) ≤ 1 < 60 µg/ m³ (28d)	ISO 16000 parts 3, 6, 9, 11/ EN 16516

Acetaldehyde			≤ 200 µg/ m³ (28d)	
Toluol			≤ 300 µg/ m³ (28d)	
Tetrachlorethylene			< 350 µg/ m³ (28d)	
Xylol			< 300 µg/ m³ (28d)	
1.4-Dichlorobenzol			< 90 µg/ m³ (28d)	
Styrol			< 350 µg/ m³ (28d)	
Trichlorethylene			≤ 1 µg/ m³ (28d)	
DEHP			≤ 1 µg/ m³ (28d)	
DBP			≤ 1 µg/ m³ (28d)	
Carcinogenic, mutagenic substances and substances toxic to reproduction (EU-category 1A and 1B according to CLP Regulation (EC) No 1272/2008)			≤ 1 µg/ m³ (28d)	
Ammoniac			≤ 149 µg/ m³ (28d)	
Nitrosamines			≤ 0.2 µg/ m³ (28d)	
Formaldehyde according to "ChemVerbotsV E1 DE 2020 (DIN EN 717-1, result with factor 2)			0.1 ppm (28d)	
Formaldehyde according to "ChemVerbotsV E1 DE 2020 (DIN EN 16516)			0.1 ppm (28d)	
Formaldehyde	ChemVerbotsV E1 DE 2020	covered by TÜV PROFiCERT-product Interior Standard	see TÜV PROFiCERT	see TÜV PROFiCERT
VOC Carcinogens	German AgBB	covered by TÜV PROFiCERT-product Interior Standard	see TÜV PROFiCERT	see TÜV PROFiCERT
VOC Carcinogens	Annex 8 MVV TB/ ABG, 2019/1	covered by TÜV PROFiCERT-product Interior Standard	see TÜV PROFiCERT	see TÜV PROFiCERT
VOC	French A	covered by TÜV PROFiCERT-product Interior Standard	see TÜV PROFiCERT	see TÜV PROFiCERT
VOC	Belgian VOC regulation	covered by TÜV PROFiCERT-product Interior Standard	see TÜV PROFiCERT	see TÜV PROFiCERT
Formaldehyde VOC	Minimum Environmental Criteria CAM Italy	covered by TÜV PROFiCERT-product Interior Standard	see TÜV PROFiCERT	see TÜV PROFiCERT
Formaldehyde VOC	LEED v4 outside North America	covered by TÜV PROFiCERT-product Interior Standard	see TÜV PROFiCERT	see TÜV PROFiCERT
VOC Formaldehyde Carcinogens	BREEAM International, General Level	covered by TÜV PROFiCERT-product Interior Standard	see TÜV PROFiCERT	see TÜV PROFiCERT