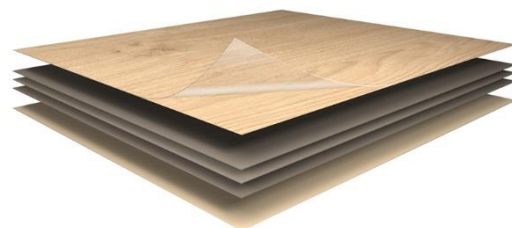


Environmental & Health Datasheet



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 an applicable 3rd party certification claim, depending on the availability at the production site. Please inquire availability details from your sales contact.

For certificates and an up-to-date list of the regional origin and wood species used in the product, see document available for download at www.egger.com/environment:

- “Manufacturer’s Declaration – Timber origins (Pdf)”
- “Certificate ISO 38200:2018” (Pdf)
- Further 3rd party certificates of sustainable wood procurement

Contribution to bio economy / renewable content

	Renewable content	Fossil-based content
1m ² EGGER Laminate	60 %	40 %

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

Contribution to circular economy / recycled content

	Virgin material	Co-products	Pre-consumer recycling material	Post-consumer recycling material
1m ² EGGER Laminate	100 %	0 %	0 %	0 %

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

Carbon Footprint

	Global warming potential
1m ² EGGER Laminate	2,03 kg CO ₂ -equivalent

Data on carbon footprint is taken from the Life Cycle Assessment (LCA) in the Environmental Product Declaration (EPD) for EGGER Laminates. GWP 100 (global warming potential over 100 years), cradle-to-gate.

Responsible	Editor	Valid until	Revision	Classification	Page
Beckmann Michael	Bender Martina	01.03.2022	1	Public	1 of 11

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 dry weight. Proportions may vary between individual product thicknesses. Listed is the average across all thicknesses and decors 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 / during the pressing process, the aminoplastic resin hardens fully. Under normal conditions , it is bound to the paper and chemically stable
9 - 11 %	Melamine- formaldehyde resin	Polymer on a melamine formaldehyde basis / during the pressing process, the aminoplastic resin hardens fully. Under normal conditions , it is bound to the wood and chemically stable
3 -4 %	Flexibilizer	Di-ethylen glycole
<2 %	Hardener	Amine salt in water/ chloride-free
<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 certification

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

Plant ⁱ	Certifications obtained by this plant				
	ISO 9001	ISO 14001	ISO 50001	EMAS	ISO 38200
Gifhorn (D)	✓	✓	✓	-	✓

Processing

Safety

This product is not hazardous in the form in which it is shipped by the manufacturer.

Health risk due to dust formation

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.

Fire and explosion hazard

Dust generated during processing can lead to fire and explosion hazards. Safety and fire protection regulations must be observed.

See document available for download at www.egger.com

- Manufacturer declaration – Compliance of REACH (Pdf)

Processing instructions

See document available for download at www.egger.com

- Processing instruction – Laminate (Pdf)

Technical data

See document available for download at www.egger.com

- Technical Datasheet – Laminate (Pdf)

Use

Product certifications

On request the products can be labelled with a certificationⁱⁱ 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

Product emissions & Health aspects

During the EGGER Laminate’s manufacturing processes, heat and pressure are applied in a dual belt press. All resins cure 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. Minor amounts of formaldehyde can be detected. There is no risk of water, air or ground contamination according to the current state of knowledge. The following table contains an overview of requirements, on which the product has been tested successfully by an independent third party.

Substance / indicator	Product has been tested and fulfils emission requirement	Requirement	Requirement details ⁱⁱⁱ
Formaldehyde	✓	E1	According to EN 13986+A1:2015-04, Formaldehyde class E1
TVOC, VOC, R value, Cancerogenes, Phenoles, Toluene	✓	AgBB 2010	German Committee for Health-Related Evaluation of Building Products (AgBB)
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

Cleaning & Maintenance

See document available for download at www.egger.com

- EGGER Laminate – Cleaning and maintenance instructions (Pdf)
- EGGER Laminate – Resistance to chemicals (Pdf)

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 preservatives 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:

- 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



Compliance with LEED v4

EGGER Laminates are compliant with the prerequisites for use in LEED certified buildings outside the U.S. Beyond that the usage of EGGER Laminates contribute 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			Product contributions
LEED v4 Requirements for Interior Design + Construction (ID+C) Commercial Interiors, Retail, Hospitality			
Chapter	Requirement summary	Maximum Points	
Material and Resources	Building Product Disclosure and Optimization - Environmental Product Declarations Option 1. Environmental Product Declaration (EPD)	1 Point	This product has a verified Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804. See <ul style="list-style-type: none"> EPD EGGER Laminates (Pdf) available for download at www.egger.com/environment
	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"> Sustainability report (Pdf) available for download at www.egger.com/environment .
Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2.3: Wood products must be certified by the Forest Stewardship Council or USGBC-approved equivalent.	Paper origin of this product is verified by the ISO 38200 : 2018 statements. 100% verified and certified through 3rd Party (Declaration on request). Use delivery receipt as evidence document. See also chapter "Wood origin for paper production" of this document.		
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.
Indor Environmental Quality	Low-emitting Materials- VOC emissions evaluation 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. Please get in touch with your EGGER sales contact or distributor, who are happy to forward the inquiry to get EGGER Laminate's VOC emissions test report (Pdf).
	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 EN 717-1:2014 for formaldehyde emissions and complies with emissions class E1. See "Product emissions & Health aspects" section above for further information. Please get in touch with your EGGER sales contact or distributor, who are happy to forward the inquiry to get EGGER Laminate's Formaldehyde test report (Pdf).

Projects inside U.S.

Please note that VOC testing requirements in LEED v4 are deviating for projects **inside the U.S.** *Requirements given in italics are currently not met by the product.*

LEED v4 Requirements for Building Design + Construction (BD+C) New Construction, Core and Shell, Schools, Retail, Healthcare, Data Centers, Hospitality, Warehouses and Distribution Centers			Product contributions
LEED v4 Requirements for Interior Design + Construction (ID+C) Commercial Interiors, Retail, Hospitality			
Chapter	Requirement summary	Maximum Points	
Material and Resources	Building Product Disclosure and Optimization - Environmental Product Declarations Option 1. Environmental Product Declaration (EPD)	1 Point	This product has a verified Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804. See <ul style="list-style-type: none"> ▪ EPD Laminates (Pdf) available for download at www.egger.com/environment
	Building Product Disclosure and Optimization - Sourcing of Raw Materials Option 2.3: Wood products must be certified by the Forest Stewardship Council or USGBC-approved equivalent.	1 Point	Paper origin of this product is verified by the ISO 38200 : 2018 statements. 100% verified and certified through 3rd Party (Declaration on request). Use delivery receipt as evidence document. See also chapter "Wood origin for paper production" of this document.
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.
Indor Environmental Quality	Low-emitting Materials- VOC emissions evaluation Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1–2010	3 Points	<i>Currently there is no CDPH classification test report available for this product.</i>

Compliance with WELL Building Standard v2™

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

Compliance with BREEAM International New Construction 2016

EGGER Laminates are 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. The following table shows all BREEAM credits which are applicable to the usage of our product. As the actually achievable number of credits depends on the attributes of all used materials in the BREEAM building project and further actions by the constructor, we cannot guarantee to obtain the maximum score. For full requirement terms see BREEAM manual at www.breeam.com.

Requirements			Product contributions
Chapter	Requirement summary	Maximum Credits	
Mat 01 Life cycle impacts	Environmental product declarations (EPD) – product installed by Post-Construction Stage is covered by verified EPD	1 Credits	<p>This product has a verified Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804. See</p> <ul style="list-style-type: none"> EPD EGGER Laminates (Pdf) <p>available for download at www.egger.com/environment</p>
Mat 03 Responsible sourcing of construction products	All timber-based products used on the project are Legally harvested and traded timber.	Prerequisite	<p>Paper origin of this product is verified by the ISO 38200 : 2018 statements. This standard takes into account all legal requirements in the respective purchasing or production country and all environmental and social criteria known in the ISO system. 100% verified and certified through 3rd Party (Declaration on request). Use delivery receipt as evidence document. See also chapter “Wood origin for paper production” of this document.</p>
Hea 02 Indoor air quality	Avoidance of asbestos.	Prerequisite	<p>The product complies with this prerequisite. See</p> <ul style="list-style-type: none"> Manufacturer’s Declaration – Asbestos (Pdf) <p>available for download at www.egger.com/environment</p>
Hea 02 Indoor air quality	<p>Minimising sources of pollution - Emissions from building products. Product should meet the exemplary level emission criteria</p> <p>Formaldehyde $\leq 0.06 \text{ mg/m}^3$</p> <p>TVOC $\leq 1.0 \text{ mg/m}^3$</p> <p>Category 1A and 1B carcinogens $\leq 0.001 \text{ mg/m}^3$</p>	1 Credit	<p>Product meets the exemplary level emissions criteria as it complies with the limit values of the German AgBB scheme.</p> <p>Please get in touch with your EGGER sales contact or distributor, who are happy to forward the inquiry to get EGGER Laminate’s VOC emissions test report (Pdf).</p>

Compliance with DGNB Gebäude Neubau 2018

As the DGNB certification system is primarily relevant for projects in the German-speaking countries, this chapter is given in German language.

Die DGNB Auszeichnungen Silber, Gold und Platin ergeben sich aus den Gesamterfüllungsgrad des Bauprojektes. Welche Qualitätsstufen das Produkt EGGER Laminates (EGGER Schichtstoffe) nach dem DGNB-System erfüllt und wo Sie die benötigten Nachweise finden, können Sie der folgenden Tabelle entnehmen. Die Beiträge zum Gesamterfüllungsgrad, die sich nach dem DGNB Punktesystem hieraus ergeben, hängen u.a. von der Relevanz der Produktgruppe für das Gesamtgebäude ab. Bitte beachten Sie, dass für die Gesamtbewertung des Gebäudes darüber hinaus noch weitere Kriterien von Bedeutung sind. Eine durch den Einsatz des Produktes EGGER Laminates (EGGER Schichtstoff) zu erhaltende Punktzahl können wir daher nicht garantieren.

Kriterien			Beitrag des Produktes
Themenfeld	Zusammenfassung Kriterium	Qualitätsstufe/ Bonus	
ENV1.1 Ökobilanz des Gebäudes	Die Gebäude-Ökobilanz benötigt Baustoffdaten. Produktspezifische Daten (EPDs) werden bevorzugt.	-	Für das Produkt liegt eine Umweltproduktdeklaration (EPD) vor. Sie finden das Dokument <ul style="list-style-type: none"> EGGER Schichtstoff (Pdf) im Downloadbereich auf www.egger.com/umwelt .
ENV1.2 Risiken für die lokale Umwelt	Formaldehydgrenzwert für Holzwerkstoffe in Aufenthaltsräumen: RAL UZ 76 oder Formaldehyd <0,05 ppm in Prüfkammer.	4	Der Grenzwert wird eingehalten. Es sind keine Formaldehydemissionen nachweisbar. Bitte wenden Sie sich an unseren Verkaufsservice, um einen aktuellen Formaldehydprüfbericht (Pdf) zu erhalten.
ENV1.3 Verantwortungsvolle Ressourcengewinnung	Zertifizierte verantwortungsbewusste Ressourcengewinnung eines Teils der Wertschöpfungskette.	1.2	Die Lieferkette von Holz und Papier sind nach ISO 38200 (Chain-of-Custody, CoC) zertifiziert. Die Norm berücksichtigt alle Legalitätsanforderungen im jeweiligen Einkaufs- bzw. Produktionsland und alle im ISO System bekannten Umwelt- und Sozialkriterien. Sie finden das Dokument <ul style="list-style-type: none"> Herstellereklärung über die Holzherkünfte (Pdf) im Downloadbereich auf www.egger.com/umwelt .
TEC1.6 Rückbau- und Recyclingfreundlichkeit	Im Gebäude werden Bauteile eingesetzt, die heute bereits nachweislich einer werkstofflichen Verwertung zu einem vergleichbaren Produkt zugeführt werden.	Max. 1 Punkt CE Bonus pro Bauteil	Schichtstoff an sich kann nicht zu einem gleichartigen Produkt recycelt werden. Mit dem Produkt beschichtete Spanplatten können jedoch auch inklusive der Beschichtung im Altholzstrom für die Produktion neuer Spanplatten eingesetzt werden.

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.

Chapter	Requirements Requirement summary	Product contributions
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: <ul style="list-style-type: none"> ▪ 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/m ³ 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. See "Product emissions & Health aspects" section above for further information. Please get in touch with your EGGER sales contact or distributor, who are happy to forward the inquiry to get EGGER Laminate's Formaldehyde test report (Pdf).

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

Production plant	Address
Gifhorn, Germany	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

iii

Substance	Norm	Limit value	Testing method	Accredited testing institute
Formaldehyde	According to EN 13986+A1:2015-04, Formaldehyde class E1	0.05 ppm* no formaldehyde detectable	EN 717-1, EN 717-2	EPH GmbH Dresden (D)
TVOC	AgBB scheme 2010	1,0 mg/m ³ (28 days)	DIN EN 16000-3, -6, -9, -11	Fraunhofer Institut für Holzforschung Wilhelm-Klauditz-Institut (Fraunhofer WKI), Braunschweig/ Germany
Σ SVOC	AgBB scheme 2010	0,1 mg/m ³ (28 days)	DIN EN 16000-3, -6, -9, -11	Fraunhofer WKI
R	AgBB scheme 2010	1 (28 days)	DIN EN 16000-3, -6, -9, -11	Fraunhofer WKI
Σ VOC without LCI	AgBB scheme 2010	0,1 mg/m ³ (28 days)	DIN EN 16000-3, -6, -9, -11	Fraunhofer WKI
Σ Cancerogenes	AgBB scheme 2010	0,001 mg/m ³ (28 days)	DIN EN 16000-3, -6, -9, -11	Fraunhofer WKI
Phenol	AgBB scheme 2010	70 µg/m	DIN EN 16000-3, -6, -9, -11	Fraunhofer WKI
Toluene	AgBB scheme 2010	2700 µg/m	DIN EN 16000-3, -6, -9, -11	Fraunhofer WKI
Melamine	European Plastics Regulation (EU) No 10/2011	2,5 mg/kg food (simulant)	EN 1186-1 (migration test)	Wessling GmbH, Altenberge (D)
Formaldehyde	European Plastics Regulation (EU) No 10/2011	15 mg/kg food (simulant)	EN 1186-1 (migration test)	Wessling GmbH
Overall migration	European Plastics Regulation (EU) No 10/2011	10 mg/dm ² contact surface	EN 1186-1 (migration test)	Wessling GmbH
Antimony	DIN EN 71-3: Safety of toys	60 mg/ kg of toys	EN 1186-1 (migration test)	Wessling GmbH
Arsenic	DIN EN 71-3: Safety of toys	25 mg/ kg of toys	EN 1186-1 (migration test)	Wessling GmbH
Barium	DIN EN 71-3: Safety of toys	1000 mg/ kg of toys	EN 1186-1 (migration test)	Wessling GmbH
Cadmium	DIN EN 71-3: Safety of toys	75 mg/ kg of toys	EN 1186-1 (migration test)	Wessling GmbH
Chromium	DIN EN 71-3: Safety of toys	60 mg/ kg of toys	EN 1186-1 (migration test)	Wessling GmbH
Lead	DIN EN 71-3: Safety of toys	90 mg/ kg of toys	EN 1186-1 (migration test)	Wessling GmbH
Mercury	DIN EN 71-3: Safety of toys	60 mg/ kg of toys	EN 1186-1 (migration test)	Wessling GmbH
Selenium	DIN EN 71-3: Safety of toys	500 mg/ kg of toys	EN 1186-1 (migration test)	Wessling GmbH

*As there is no material parameter for the formaldehyde emission for the gas analysis method 717-2 of HPL according to DIN EN 438-1/8 "High- pressure decorative laminates (HPL) –sheets based on thermosetting resins (high-pressure laminate)", the assessment was performed according to the material parameters of wood- based coated panels or rather coated materials, e.g. decorative films