

Environmental & Health Data Sheet



Self-declaration according to ISO 14021

EGGER PRO Design Flooring GreenTec

EGGER Design Flooring GreenTec is a robust and water resistant flooring for both commercial and residential usage. It consists of a double sealed High Density Fibre board (HDF) core with an integrated sound absorbing cork underlay and a coated PP top layer. The EGGER Design Flooring GreenTec is available in various decor and texture combinations.

Raw Materials & Primary Products

Wood origin

Our plants are certified according to the standard ISO 38200:2018, all wood 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 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 certificates of sustainable wood procurement

Contribution to bio economy / renewable content

	Renewable content	Fossil-based content
EGGER Design Flooring GreenTec	67 %	33 %

Average renewable resource content by weight, in relation to all dry constituent materials (incl. wood, glue and others).

Contribution to circular economy / recycled content

	Virgin material	Co-products	Preconsumer recycling material	Postconsumer recycling material
EGGER Design Flooring GreenTec	38 %	61 %	1 %	0 %

Average recycling content by weight, in relation to all dry constituent materials (incl. wood, glue and others).

Responsible	Editor	Valid until	Revision	Classification	Page
Hornbostel Lars	Bender Martina	29.04.2021	1	Public	1 of 8

Constituent materials

The EGGER GreenTec Design flooring consists of a double sealed High Density Fibre board (HDF) core with an integrated sound absorbing cork underlay and a coated PP top layer. 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 in one production year. All chemicals have been evaluated and are disclosed down to 1000 ppm.

Proportion		Function	Composition <i>Add. info</i>
62	%	Dry wood fibres (HDF core board)	98 % Saw mill by-products and Pre-consumer recycling wood
			2 % Industrial round wood
20	%	Glue (HDF core board)	Melamine-urea-formaldehyde glue (MUF) <i>The aminoplastic adhesive hardens fully. Under normal conditions , it is bound and chemically stable</i>
5	%	Decorative top layer	Polypropylene <i>PVC free</i>
4	%	Lamination layer (sealing of the core board)	43 % paper <i>Contains 70% virgin cellulose, 30% color & additives</i>
			57 % Melamine-formaldehyde resin/ <i>The aminoplastic adhesive hardens fully. Under normal conditions , it is bound and chemically stable</i>
3	%	Adhesion of top and insulation layer	Polyurethane hotmelt glue
3	%	Insulation layer	Cork <i>contains 18 % pre-consumer recycling material</i>
2	%	Hydrophobing agent (HDF core board)	Paraffine wax emulsion
< 1	%	Hardener (HDF core board)	Ammonium sulphate <i>chloride-free</i>
< 1	%	Hard wearing and water resistant finish layer	Polyurethane

Manufacturing

Production plants & their certification

The product is manufactured at the following location. 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
Wismar, Germany	✓	✓	✓	-	✓

Processing

Safety

This product is not hazardous in the form in which it is shipped by the manufacturer. Downstream activities (e.g. grinding or cutting) 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 document available for download at www.egger.com

- Installation instructions for Comfort Flooring and Design Flooring GreenTec with CLIC it! (Pdf)
- Underfloor Heating and Cooling System Processing Instructions (Pdf)
- Underlay materials for Design Flooring (Pdf)

Technical data

See document available for download at www.egger.com

- PRO Design Flooring GreenTec – Classic/Large Board (Pdf)

Use

Product certification

The product is certifiedⁱⁱ according to:

- PEFC certified with claim according to PEFC ST 2002:2020
- Blue Angel RAL UZ 176
- TÜV ProfiCert Product Interior Premium

To download certificates, see flooring downloads at www.egger.com

Product emissions & Health aspects

Natural wood constituents may be released in small quantities. During the raw board's manufacturing processes, heat and pressure is applied in a short cycle press. All resins cure completely into a solid material. In the use phase, the product is chemically stable under normal conditions. There are no known health hazards or health effects to be expected under normal conditions, when the product is used as intended.

The following table contains an overview of test results. The product is subjected to annual tests within the scope of TÜV PROFICERT-product Interior surveillance 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
Formaldehyde	✓	TSCA (CARB2)	According to EPA TSCA Title VI/ CARB Phase 2, U.S. Formaldehyde emission standards for Composite wood products
VOC, Formaldehyde, Carcinogens, Ammonia, Nitrosamines	✓	TÜV PROFICERT-product Interior PREMIUM	Common Label for the Health and Quality Assessment of Interior Products
VOC, Carcinogens	✓	AgBB, February 2015	via TÜV PROFICERT (see above)
VOC	✓	French VOC regulation, emission class A+	via TÜV PROFICERT (see above)
VOC, Nitrosamines, Ammonia	✓	German MVV TB ABG Annex 8	via TÜV PROFICERT (see above)
VOC	✓	Belgian VOC regulation	via TÜV PROFICERT (see above)
VOC, Formaldehyde, Carcinogens	✓	BREEAM International New Construction 2016	via TÜV PROFICERT (see above)
Formaldehyde, VOC, TSVOC, Ammonia, Carcinogens	✓	German Ecolabel RAL UZ 176	via TÜV PROFICERT (see above)
TVOC, Formaldehyde, Ammonia, Carcinogens	✓	Finnish Emission Classification of building materials M1	via TÜV PROFICERT (see above)
Formaldehyde	✓	LEED v4 (outside North America)	via TÜV PROFICERT (see above)
VOC, Odorous substances, Irritants	✓	Austrian Ecolabel UZ 56	via TÜV PROFICERT (see above)

Cleaning & Maintenance

See document available for download at www.egger.com

- Design Flooring GreenTec Warranty and Maintenance (Pdf)

End of life – Waste treatment

Packaging

The transport packaging paper, cardboard and film can be collected separately and recycled appropriately. Retrieval of the packaging material can be arranged with the manufacturer in individual cases.

Reuse

In case of careful deconstruction and proper storage, reuse is possible for the same application. Product may not be bonded over its entire back side or along the profiles, in case of a desired reuse. Special care must be taken when disassembling the floor to keep the profiles intact.

Recycling – Material use

Material recovery is not possible with current technology, in practice. EGGER encourages recycling, wherever recycling is available.

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. 17 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 GreenTec Design Flooring 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)

Disposal

EGGER flooring products may contain substances which make them unsuitable for disposal on certain locations. Kindly check prevailing regulations at your local waste management authorities before attempting disposal of these products.

Compliance with Nordic Swan Ecolabel

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

The product EGGER GreenTec Design Flooring 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 GreenTec Design Flooring no other documents are necessary for your application.

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

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Production plant	Address
Wismar, Germany	EGGER Holzwerkstoffe GmbH & Co. KG, Am Haffeld 1, 23970 Wismar (D)

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Product Certifications	
PEFC	Programme for the Endorsement of Forest Certification Schemes, certificate no. CH17/0386.00
Blue Angel	German Ecolabel RAL UZ 176 (2013)
TÜV ProfiCert	TÜV PROFICERT-product Interior certification criteria V1.1

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Substance	Norm	Limit value	Testing method	Accredited testing institute
Formaldehyde	According to EN 13986+A1:2015-04, Formaldehyde class E1	0.1 ppm	EN 717-1	EPH Entwicklungs- und Prüflabor Holztechnologie GmbH, Dresden (Germany)
Formaldehyde	TSCA	0.11 ppm	ASTM E1333-14	EPH Entwicklungs- und Prüflabor Holztechnologie GmbH, Dresden (Germany)
<ul style="list-style-type: none"> ▪ TVOC ▪ TSVOC ▪ VOC ▪ R value ▪ Formaldehyde ▪ Acetaldehyde 	TÜV PROFICERT-product Interior PREMIUM v 1.1 for details see proficert.de	160 µg/ m ³ (28d) 100 µg/ m ³ (28d) 100 µg/ m ³ (28d) 1 10 µg/ m ³ (28d) 200 µg/ m ³ (28d)	ISO 16000 part 6/ EN 16516	TÜV Hessen, Darmstadt (Germany)

<ul style="list-style-type: none"> ▪ Toluol ▪ 1,4 Dichlorobenzene ▪ Trichlorethylene ▪ Tetrachlorethylene ▪ Xylol ▪ Styrol ▪ DEHP ▪ DBP ▪ Carcinogenic, mutagenic substances and substances toxic to reproduction (EU-category 1A and 1B according to CLP Regulation (EC) No 1272/2008) ▪ Ammonia ▪ Nitrosamines 		<p>300 µg/ m³ (28d) 60 µg/ m³ (28d) 1 µg/ m³ (28d) 350 µg/ m³ (28d) 300 µg/ m³ (28d) 350 µg/ m³ (28d) 1 µg/ m³ (28d) 1 µg/ m³ (28d) 1 µg/ m³ each (28d)</p> <p>149 µg/ m³ (28d) 0,2 µg/ m³ (28d)</p>		
<ul style="list-style-type: none"> ▪ VOC ▪ Carcinogens 	German AgBB	see TÜV PROFICERT	see TÜV PROFICERT	covered by TÜV PROFICERT-product Interior PREMIUM
VOC	French A+	see TÜV PROFICERT	see TÜV PROFICERT	covered by TÜV PROFICERT-product Interior PREMIUM
VOC	Belgian VOC regulation	see TÜV PROFICERT	see TÜV PROFICERT	covered by TÜV PROFICERT-product Interior PREMIUM
<ul style="list-style-type: none"> ▪ VOC ▪ Nitrosamines ▪ Ammonia 	German MVV TB / ABG Annex 8	see TÜV PROFICERT	see TÜV PROFICERT	covered by TÜV PROFICERT-product Interior PREMIUM
<ul style="list-style-type: none"> ▪ VOC ▪ Formaldehyde ▪ Carcinogenes 	BREEAM International, Exemplary Level	see TÜV PROFICERT	see TÜV PROFICERT	covered by TÜV PROFICERT-product Interior PREMIUM
<ul style="list-style-type: none"> ▪ Formaldehyde ▪ VOC ▪ TSVOC ▪ Ammonia ▪ Carcinogens 	German Ecolabel RAL UZ 176	see TÜV PROFICERT	see TÜV PROFICERT	covered by TÜV PROFICERT-product Interior PREMIUM
<ul style="list-style-type: none"> ▪ TVOC ▪ Formaldehyde ▪ Ammonia ▪ Carcinogens 	Finnish M1	see TÜV PROFICERT	see TÜV PROFICERT	covered by TÜV PROFICERT-product Interior PREMIUM
<ul style="list-style-type: none"> ▪ Formaldehyde ▪ VOC 	LEED v4 outside North America	see TÜV PROFICERT	see TÜV PROFICERT	covered by TÜV PROFICERT-product Interior PREMIUM

<ul style="list-style-type: none">▪ VOC▪ Odorous substances▪ Irritants	Austrian Ecolabel UZ 56	see TÜV PROFICERT	see TÜV PROFICERT	covered by TÜV PROFICERT-product Interior PREMIUM
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