



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14326-10-1030

LOGOCЛИC FAMILY

Product group: Laminate - Floor coverings / Wall coverings



LOGOCЛИC / BAUHAUS
Gutenbergstraße 21
68167 Mannheim



Product qualities:



Köttner
Helmut Köttner
Scientific Director
Freiburg, 02 February 2026

Product:

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The SHI Database is the first and only database for construction products whose comprehensive processes and data accuracy are regularly verified by the independent auditing company SGS-TÜV Saar



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SHI Product Assessment 2024

Since 2008, Sentinel Holding Institut GmbH (SHI) has been establishing a unique standard for products that support healthy indoor air. Experts carry out independent product assessments based on clear and transparent criteria. In addition, the independent testing company SGS regularly audits the processes and data accuracy.

| Criteria | Product category | Harmful substance limit | Assessment |
|------------------------|----------------------------|--|------------------------------|
| SHI Product Assessment | Wood-based floor coverings | TVOC $\leq 300 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 36 \mu\text{g}/\text{m}^3$ | Indoor Air Quality Certified |

Valid until: 05 February 2027



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■ QNG - Qualitätssiegel Nachhaltiges Gebäude

The Qualitätssiegel Nachhaltiges Gebäude (Quality Seal for Sustainable Buildings), developed by the German Federal Ministry for Housing, Urban Development and Building (BMWSB), defines requirements for the ecological, socio-cultural, and economic quality of buildings. The Sentinel Holding Institut evaluates construction products in accordance with QNG requirements for certification and awards the QNG ready label. Compliance with the QNG standard is a prerequisite for eligibility for the KfW funding programme. For certain product groups, the QNG currently has no specific requirements defined. Although classified as not assessment-relevant, these products remain suitable for QNG-certified projects.

| Criteria | Pos. / product group | Considered substances | QNG assessment |
|--|---|---|----------------|
| 3.1.3 Schadstoffvermeidung in Baumaterialien | 2.3 Multi-layer wood parquet, bamboo coverings, and floor coverings on wood-based panels | VOC / Emissions / hazardous substances | QNG ready |

Verification: TÜV PROFiCERT-product Interior PREMIUM Zertifikat vom 02.02.2024 (Nr. 2117133/2024/1)

| Criteria | Assessment |
|--|---|
| ANF2-WG1 Nachhaltige Materialgewinnung | May positively contribute to the overall building score |

Verification: Technisches Datenblatt Stand 10/2024



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DGNB New Construction 2023

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings. The 2023 version sets high standards for ecological, economic, socio-cultural, and functional aspects throughout the entire life cycle of a building.

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|--|--|--|-----------------|
| ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition) | 47c Wood-based materials in floor coverings | VOCs, SVOC emissions and content of hazardous substances | Quality level 4 |

Verification: TÜV PROFICERT-product Interior PREMIUM Zertifikat vom 02.02.2024 (Nr. 2117133/2024/1)

| Criteria | Assessment |
|-------------------------------|---|
| SOC1.2 Indoor air quality (*) | May positively contribute to the overall building score |

Verification: SHI Schadstoffgeprüft

| Criteria | Quality level |
|--|---|
| ENV1.3 Responsible resource extraction | May positively contribute to the overall building score |

Verification: Technisches Datenblatt Stand 10/2024

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|--|--|--|-----------------|
| ENV 1.2 Local environmental impact, 29.05.2025 (4th edition) | 47c Floor coverings for indoor use (with wooden components) | VOCs, SVOC emissions and content of hazardous substances | Quality level 4 |

Verification: TÜV PROFICERT-product Interior PREMIUM Zertifikat vom 02.02.2024 (Nr. 2117133/2024/1)



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DGNB New Construction 2018

The DGNB System (German Sustainable Building Council) assesses the sustainability of various types of buildings. It can be applied to both large-scale private and commercial projects as well as smaller residential buildings.

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|------------------------------------|--|---------------------------------|-----------------|
| ENV 1.2 Local environmental impact | 47a Industrially manufactured products | Formaldehyde | Quality level 4 |

Verification: TÜV PROFICERT-product Interior PREMIUM Zertifikat vom 02.02.2024 (Nr. 2117133/2024/1)

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BNB-BN Neubau V2015

The Bewertungssystem Nachhaltiges Bauen (Assessment System for Sustainable Building) is a tool for evaluating public office and administrative buildings, educational facilities, laboratory buildings, and outdoor areas in Germany. The BNB was developed by the former Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB) and is now overseen by the Federal Ministry for Housing, Urban Development and Building (BMWSB).

| Criteria | Pos. / product type | Considered substance group | Quality level |
|-------------------------------------|--|----------------------------|-----------------|
| 1.1.6 Risiken für die lokale Umwelt | zB Wood-based floor coverings – also systems | VOC / hazardous substances | Quality level 5 |

Verification: Technisches Datenblatt Stand 10/2024

| Criteria | Assessment |
|-------------------------------------|---|
| 1.1.7 Nachhaltige Materialgewinnung | May positively contribute to the overall building score |

Verification: Technisches Datenblatt Stand 10/2024



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EU taxonomy

The EU Taxonomy classifies economic activities and products according to their environmental impact. At the product level, the EU regulation defines clear requirements for harmful substances, formaldehyde and volatile organic compounds (VOCs). The Sentinel Holding Institut GmbH labels qualified products that meet this standard.

| Criteria | Product type | Considered substances | Assessment |
|---|---|---|-----------------------|
| DNSH - Pollution prevention and control | Floor coverings (including associated adhesives and sealants) | Substances according to Annex C, formaldehyde, carcinogenic VOCs category 1A/1B | EU taxonomy compliant |

Verification: TÜV PROFICERT-product Interior PREMIUM Zertifikat vom 02.02.2024 (Nr. 2117133/2024/1)

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BREEAM DE Neubau 2018

BREEAM (Building Research Establishment Environmental Assessment Methodology) is a UK-based building assessment system that evaluates the sustainability of new constructions, refurbishments, and conversions. Developed by the Building Research Establishment (BRE), the system aims to assess and improve the environmental, economic, and social performance of buildings.

| Criteria | Product category | Considered substances | Quality level |
|---------------------------|---|---|-------------------|
| Hea 02 Indoor Air Quality | Flooring materials (including floor levelling compounds and resin flooring) | Emissions: Formaldehyde, TVOC, TSVOC, carcinogens | Exemplary quality |

Verification: TÜV PROFICERT-product Interior PREMIUM Zertifikat vom 02.02.2024 (Nr. 2117133/2024/1)



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Product labels

In the construction industry, high-quality materials are crucial for a building's indoor air quality and sustainability. Product labels and certificates offer guidance to meet these requirements. However, the evaluation criteria of these labels vary, and it is important to carefully assess them to ensure products align with the specific needs of a construction project.



"TÜV PROFiCERT-product Interior" is a certification procedure developed for interior products. The certification is carried out according to strict TÜV health and quality criteria. The PREMIUM variant requires particularly low emission levels.



The PEFC label certifies wood and wood products from sustainably managed forests and requires, among other things, legal origin, protection of forest ecosystems, and social minimum standards in forestry. Environmental organisations consider PEFC's criteria to be less strict than those of FSC, particularly regarding the protection of sensitive forest areas. Health-related aspects of the final product are not part of the PEFC assessment.



The *Blue Angel* ("Blauer Engel") ecolabel, awarded by the German Federal Environment Agency, is one of the oldest and most widely used ecolabels in Germany. It exists in several variants for many different product groups. Since the test criteria, such as threshold values, differ between these variants, it is important to consider each one individually when assessing indoor air quality.



This product is SHI Indoor Air Quality certified and recommended by Sentinel Holding Institut. Indoor-air-focused construction, renovation, and operation of buildings is made possible by transparent and verifiable criteria thanks to the Sentinel Holding concept.



Products bearing the Sentinel Holding Institute QNG-ready seal are suitable for projects aiming to achieve the "Qualitätssiegel Nachhaltiges Gebäude" (Quality Seal for Sustainable Buildings). QNG-ready products meet the requirements of QNG Appendix Document 3.1.3, "Avoidance of Harmful Substances in Building Materials." The KfW loan program Climate-Friendly New Construction with QNG may allow for additional funding.

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Legal notices

(*) These criteria apply to the construction project as a whole. While individual products can positively contribute to the overall building score through proper planning, the evaluation is always conducted at the building level. The information was provided entirely by the manufacturer.

Find our criteria here: <https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfkriterien%20f%C3%BCr%20Produkte>

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1285 x 192 x 7 mm

PAKET: 10 PANEELE | 2,47 m² | 16 kgwww.blauer-engel.de/uz176

Trägermaterial: HDF, E1 quellarm verleimt
Dichte 830 – 900 kg/m³
Dekorschicht: 0,2 mm



Gemäß EN 13329 geeignet für alle Wohnbereiche mit intensiver Nutzung und für gewerbliche Bereiche mit geringer oder zeitweiser Nutzung

DIMENSIONEN

| | | | | |
|--------|--------|---------------------------------------|------|------------|
| Format | Dicke | 7 ± 0,50 mm · dmax - dmin ≤ 0,50 mm | | |
| | Länge | 1285 ± 0,50 mm | | |
| | Breite | 192 ± 0,10 mm · bmax - bmin ≤ 0,20 mm | | |
| Profil | längs | twin click | quer | twin click |

TOLERANZEN

| | | |
|------------------|----------|--|
| Rechtwinkligkeit | EN 13329 | ≤ 0,20 mm |
| Kantengeradheit | EN 13329 | ≤ 0,30 mm |
| Querwölbung | EN 13329 | konkav: ≤ 0,15% · konvex: ≤ 0,20% |
| Längswölbung | EN 13329 | konkav: ≤ 0,50% · konvex: ≤ 1,00% |
| Fugenöffnung | EN 13329 | Mittelwert: ≤ 0,15 mm · Maximum: ≤ 0,20 mm |
| Höhenversatz | EN 13329 | Mittelwert: ≤ 0,10 mm · Maximum: ≤ 0,15 mm |
| Riegelversatz | | ± 2 mm |

PRÜFUNGEN

| | | |
|---|--------------|--|
| Abriebbeanspruchung | EN 13329 | AC3 (≥ 2000 Umdr.) |
| Stoßbeanspruchung | EN 13329 | kleine Kugel ≥ 8 N · große Kugel ≥ 500 mm |
| Fleckunempfindlichkeit | Gruppe 1 & 2 | Grad 5 |
| | Gruppe 3 | ≥ Grad 4 |
| Stuhlrollenversuch | EN 13329 | keine sichtbaren Veränderungen oder Schäden wie in EN 425:2002 definiert |
| Auswirkung eines Möbelfußes | EN 13329 | keine sichtbare Veränderung bei Prüfung mit Fuß Typ 0 |
| Dickenquellung | EN 13329 | ≤ 18% |
| Resteindruck | EN 13329 | ≤ 0,05 mm |
| Lichtechtheit | EN 13329 | Graumaßstabsstufe ≥ 4 bei Typverfärbung 6 des Blaumaßstabes |
| Maßänderungen nach Änderungen der relativen Luftfeuchte | EN 13329 | längs ≤ 0,9 mm · quer ≤ 0,9 mm |
| Abhebefestigkeit | EN 13329 | ≥ 1,0 N/mm ² |

UMWELTEIGENSCHAFTEN

| | | |
|---------------------|--|-----------|
| Formaldehydemission | | Klasse E1 |
|---------------------|--|-----------|

PHYSIKALISCHE EIGENSCHAFTEN

| | | |
|--------------------------|------------|----------------------------------|
| Brandverhalten | EN 13501-1 | Cfl s1 |
| Gleitwiderstand | EN 13893 | Technische Klasse DS |
| Wärmedurchlasswiderstand | EN 12667 | 0,062 (m ² K)/W ± 15% |
| Wärmeleitfähigkeit | EN 12664 | 0,110 W/(m*K) ± 15% |

Empfohlen durch das

SENTINEL HAUS
INSTITUT



PEFC/01-44-49



Preferred by Nature OÜ hereby confirms that
the Chain of Custody system of

Kronoflooring GmbH Lampertswalde

Mühlbacher Straße 1
01561 Lampertswalde
Germany

has been assessed and certified as meeting the requirements of
PEFC ST 2001:2020; PEFC ST 2002:2020

The certificate is valid from
24 May 2021 to 23 May 2026
Certificate version date: 23 August 2022

Scope of certificate

Certificate type: Single Chain of Custody

Certificate registration code

PBN-PEFC-COC-054330



Justinas Janulaitis
Management board member
Filosoofi 31, Tartu
Estonia

Preferred by Nature OÜ accreditation is issued by ANAB (Accreditation ID# 9125).

Specific information regarding products and sites is listed in the appendix(es) of this certificate.

Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required PEFC claim is clearly stated on delivery documents. The physical printed certificate remains the property of Preferred by Nature OÜ and shall be returned upon request.

**Annex A: Scope of Kronoflooring GmbH Lampertswalde PEFC Chain of Custody
Certificate**
PBN-PEFC-COC-054330

| Product Type | PEFC Claims | CoC Method | Input Material Category |
|----------------------------|-------------------|---------------------|-------------------------|
| 050603 - Dämmplatten | x% PEFC Certified | Physical separation | Certified material |
| 090304 - Laminatboden | x% PEFC Certified | Percentage Method | Certified material |
| 090304 - Parkett | x% PEFC Certified | Percentage Method | Certified material |
| 090307 - Paneele/Kassetten | x% PEFC Certified | Percentage Method | Certified material |
| 090307 - Sockelleisten | x% PEFC Certified | Percentage Method | Certified material |