



# SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

**15568-10-1001**

## SMARtec Plus Klick- Vinylboden

Product group: Floor coverings / Wall coverings - Vinyl - Design floors



Pauckner GmbH  
Max-Planck-Straße 35  
59423 Unna



### Product qualities:













*Köttner*

Helmut Köttner  
Scientific Director  
Freiburg, 22 June 2026



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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	Other floor coverings	TVOC $\leq 160 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 10 \mu\text{g}/\text{m}^3$	Indoor Air Quality Certified
Valid until: 16 December 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	2.2 Resilient floor coverings – including multilayer systems	VOC / Emissions / hazardous substances / polycyclic aromatic hydrocarbons (PAH) / SVHC / heavy metals	QNG ready

**Verification:** Herstellererklärung vom 21.05.2026. Prüfbericht eco-Institut Nr. 60839-A002-L vom 05.05.2026 in Verbindung mit Konformitätserklärung sowie Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG 73-02-02-2025 vom 16.12.2025 in Verbindung mit Konformitätserklärung.



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## DGNB New Construction 2023.2

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact	7 Elastische Bodenbeläge (innen)		Quality level 3

**Verification:** Herstellererklärung vom 21.05.2026. Prüfbericht eco-Institut Nr. 60839-A002-L vom 05.05.2026 in Verbindung mit Konformitätserklärung sowie Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG 73-02-02-2025 vom 16.12.2025 in Verbindung mit Konformitätserklärung.



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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)	7 Floor coverings (Resilient floor coverings)	VVOCs, VOC, SVOC emissions and content of hazardous substances	Quality level 3
<b>Verification:</b> Herstellererklärung vom 21.05.2026. Prüfbericht eco-Institut Nr. 60839-A002-L vom 05.05.2026 in Verbindung mit Konformitätserklärung sowie Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG 73-02-02-2025 vom 16.12.2025 in Verbindung mit Konformitätserklärung.			

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 29.05.2025 (4th edition)	7 Floor coverings for indoor use (elastic floor coverings)	VVOCs, VOC, SVOC emissions and content of hazardous substances	Quality level 3
<b>Verification:</b> Herstellererklärung vom 21.05.2026. Prüfbericht eco-Institut Nr. 60839-A002-L vom 05.05.2026 in Verbindung mit Konformitätserklärung sowie Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG 73-02-02-2025 vom 16.12.2025 in Verbindung mit Konformitätserklärung.			



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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	7 Floor coverings (Resilient floor coverings)	VOC / SVOC / hazardous substances	Quality level 4
<b>Verification:</b> Herstellererklärung vom 21.05.2026. Prüfbericht eco-Institut Nr. 60839-A002-L vom 05.05.2026 in Verbindung mit Konformitätserklärung sowie Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG 73-02-02-2025 vom 16.12.2025 in Verbindung mit Konformitätserklärung.			



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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	2a Elastic floor coverings – with and without bonded underlay or insulation layer	VOC / hazardous substances / heavy metals	Quality level 3

**Verification:** Herstellererklärung vom 21.05.2026. Prüfbericht eco-Institut Nr. 60839-A002-L vom 05.05.2026 in Verbindung mit Konformitätserklärung sowie Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG 73-02-02-2025 vom 16.12.2025 in Verbindung mit Konformitätserklärung.



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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
<b>Verification:</b> Herstellererklärung vom 21.05.2026. Prüfbericht eco-Institut Nr. 60839-A002-L vom 05.05.2026 in Verbindung mit Konformitätserklärung sowie Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG 73-02-02-2025 vom 16.12.2025 in Verbindung mit Konformitätserklärung.			



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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:** Prüfbericht eco-Institut Nr. 60839-A002-L vom 05.05.2026 in Verbindung mit Konformitätserklärung sowie Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG 73-02-02-2025 vom 16.12.2025 in Verbindung mit Konformitätserklärung.



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## LEED v4.1

LEED (Leadership in Energy and Environmental Design) is an internationally recognised building certification system developed by the U.S. Green Building Council. It is one of the most widely used sustainability standards for buildings worldwide and is particularly applied in internationally oriented projects. LEED assesses buildings holistically across categories such as energy efficiency, resource conservation, material selection, indoor environmental quality and site sustainability. Depending on the number of points achieved, projects are awarded one of the certification levels: LEED Certified, Silver, Gold or Platinum.

Criteria	Product category	Considered substances	Assessment
EQ Credit: Low-Emitting Materials	Bodenbeläge	Emissionen: Formaldehyd, VOC, Krebserregende Stoffe	compliant

**Verification:** Prüfbericht eco-Institut Nr. 60839-A002-L vom 05.05.2026 in Verbindung mit Konformitätserklärung sowie Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG 73-02-02-2025 vom 16.12.2025 in Verbindung mit Konformitätserklärung.



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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.



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.

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

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[www.sentinel-holding.eu](http://www.sentinel-holding.eu)

## Produktinformationen SMARtec Plus Wood

Belagsart	PVC
Oberfläche	PU-versiegelt
Paketinhalt	2,235 m <sup>2</sup>
Maße	Landhausdiele: 1220 x 229 mm x 5 mm
Style	Holzoptik in Landhausdiele
Oberflächenstruktur	Synchronprägung
Nutzschicht	0,5 mm
Verlegeart	Uniclic Klick-System
Nutzungsklasse	Bis Nutzungsklasse 33   starke gewerbliche Nutzung
Trittschalldämmung	Integrierte 1 mm IXPE Dämmung
Fußbodenheizung nach EN 12664	Warmwasser-Fußbodenheizung geeignet, bis 27°C Maximal zulässige Heizleistung 55 W/m <sup>2</sup>
Feuchtraumeignung	Ja
Garantie	15 Jahre privat, 5 Jahre gewerblich*

\*gemäß Garantiebedingungen

## Technische Daten

Beschreibung	Norm	Ergebnis
Formaldehydklasse	EN 717-1	E1
Brandverhalten	EN 13501-1	Bfl-s1
Dimensionsstabilität	ASTM F2199-20	✓
Gleitwiderstand	EN 14041	DS
Trittschallverbesserungsmaß	ISO 10140-3	21 dB
Wärmedurchlasswiderstand	EN 12667	0,033 (m <sup>2</sup> K)/W
Wärmeleitfähigkeit		0,298 W/(mK)
Farbbeständigkeit	EN 105:B02	Stufe > 6
Fleckenunempfindlich	EN 438-2	✓
Stuhlrolleneignung	ISO 4918	Ja, Typ W, EN12529



Pauckner GmbH  
Max-Planck-Straße 35  
DE-59423 Unna

Unna, den 21.05.2026

## Herstellereklärung

Wir, die Pauckner GmbH, bestätigen hiermit, dass unsere Vinylböden gemäß den uns vorliegenden Hersteller- und Prüfunterlagen die Anforderungen der REACH-Verordnung erfüllen und folgende Kriterien eingehalten werden:

- SVHC-Stoffe < 0,1 %
- CMR-Stoffe der Kategorie 1A und 1B < 0,1 %
- reproduktionstoxische Phthalate < 0,1 %
- Chlorparaffine (SCCPs, MCCPs und LCCPs) < 0,1 %
- keine Zinn-, Cadmium- und Bleistabilisatoren

Mit freundlichen Grüßen

Timo Pauckner (Geschäftsführung)