



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

15070-10-1003

Authentic-Selection (Klickvinyl)

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



Rubik GmbH
Otto-Lilienthal-Str. 1
74626 Bretzfeld-Schwabbach



Product qualities:



Köttner
Helmut Köttner
Scientific Director
Freiburg, 02 February 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 untill: 26 March 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: Prüfbericht des Instituts Eurofins Product Testing vom 15.11.2023.
Konformitätserklärung vom 26.03.2024 bestätigt die materielle Übereinstimmung mit dem
geprüften Produkt. Herstellererklärung vom 14.03.2024.



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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)	7 Floor coverings (Resilient floor coverings)	VVOCs, VOC, SVOC emissions and content of hazardous substances	Quality level 3
Verification: Prüfbericht des Instituts Eurofins Product Testing vom 15.11.2023. Konformitätserklärung vom 26.03.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 14.03.2024.			

Criteria	Assessment
SOC1.2 Indoor air quality (*)	May positively contribute to the overall building score
Verification: Schadstoffgeprüft	

Criteria	Assessment
SOC1.3 Sound insulation and acoustic comfort (*)	May positively contribute to the overall building score
Verification: 19 dB (Klick)	



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 4
Verification: Prüfbericht des Instituts Eurofins Product Testing vom 15.11.2023. Konformitätserklärung vom 26.03.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 14.03.2024.			



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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
Verification: Prüfbericht des Instituts Eurofins Product Testing vom 15.11.2023. Konformitätserklärung vom 26.03.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 14.03.2024.			



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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: Prüfbericht des Instituts Eurofins Product Testing vom 15.11.2023.
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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: Prüfbericht des Instituts Eurofins Product Testing vom 15.11.2023.
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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 des Instituts Eurofins Product Testing vom 15.11.2023.
Konformitätserklärung vom 26.03.2024 bestätigt die materielle Übereinstimmung mit dem
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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.



Eurofins Indoor Air Comfort® confirms compliance with requirements for low VOC emissions. The standard level covers all mandatory VOC regulations in the EU, while the Gold level additionally takes into account emission criteria from voluntary ecolabels and building certifications.



This product comes with an SHI Product Passport. This innovative tool is unique in bringing together all product qualities in a single document and includes all necessary evaluations and evidence sources for the requirements according to SHI, DGNB, QNG, EU Taxonomy, BNB, and BREEAM.



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%BCfverfahren/Pr%C3%BCfverfahren%20f%C3%BCr%20Produkte>

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Produktname „Authentic-Selection XL- Klickvinyl“

PRODUKTDATEN



Europäische Klassifizierung	EN ISO 10874	Klasse 33
Gesamtdicke Kern	EN ISO 24346	4,5 + 1,0 mm Trittschall Rigid SPC-Kern (Stone Polymer Composite)
Flächengewicht	EN ISO 23997	9,10 kg / m ²
Format: Planken / Fliesen	EN ISO 24342	24,0 x 152,2 cm 40,6 x 81,2 cm
Nutzschicht	EN ISO 24340	0,55 mm
Rutschklasse	DIN 51130	R10
Inhalt pro Box Planken / Fliesen		2,19 m ² 1,98 m ²
Boxen pro Palette Planken / Fliesen		96,36 m ² 89,10 m ²



TECHNISCHE DATEN

Brandverhalten	EN 13501-1	Bfl-S1
Verbindung		Välinge-Verbindung (2G Fliesen) Välinge-Verbindung (5G Planken) Trittschall (Kork)
Resteindruckverhalten	EN ISO 24343-1	≤ 0,1 mm
Trittschallverbesserungsmaß	EN ISO 717-2	19 dB
Kratzbeständigkeit	EN 438 T2	6N
Gluttest	EN 13999	Rating 3
Dimensionsstabilität	EN ISO 23999	≤ 0,1 %
Lichtechtheit	EN ISO 105-B02	≥ 6
Haushaltschemikalienbeständigkeit	EN ISO 26987	beständig
Formaldehydemission	EN 717-1	E1
Fußbodenheizung		geeignet max. 27°C
Feuchtraumeignung		geeignet
VOC Emission	ISO 16000	A+ Auditierung durch EPH/Dresden

GARANTIE

12 JAHRE (Wohnbereich)

Die Gewährleistung gewährleistet Fabrikationsfehler und frühzeitiges Abnutzen bei normalem Gebrauch.

Rubik GmbH

14.03.2024

Produktname	Bewertungssystem	Nachzuweisende Qualität	Nachweis
Authentic-Selection Klebevinyl	BNB, QNG	reproduktionstoxische Phthalate < 0,1 % keine Zinn-, Cadmium- und Bleistabilisatoren	✓
	DGNB	Chlorparaffine (SCCPs + MCCPs + LCCPs) < 0,1 % SVHC ≤ 0,1 %	✓
Authentic-Selection XL-Klickvinyl	BNB, QNG	reproduktionstoxische Phthalate < 0,1 % keine Zinn-, Cadmium- und Bleistabilisatoren	✓
	DGNB	Chlorparaffine (SCCPs + MCCPs + LCCPs) < 0,1 % SVHC ≤ 0,1 %	✓