SENTINEL HOLDING
INSTITUT

# SHI PRODUCT PASSPORT

**Find products. Certify buildings.**

SHI Product Passport No.:

**15070-10-1002**

## Authentic-Selection (Klebevinyl)

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

Rubik GmbH
Vertrieb von Messe- Design & Objektbelägen

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

### Product qualities:

- SHI Product Assessment 2024
- QNG Qualitätssiegel Nachhaltiges Gebäude
- DGNB NEW CONSTRUCTION 2023.2
- DGNB NEW CONSTRUCTION 2023
- DGNB NEW CONSTRUCTION 2018
- BNB-BN NEUBAU V2015
- EU TAXONOMY
- BREEAM DE NEUBAU 2018
- LEED v4.1 (outside US)

CERTIFIED SUSTAINABLE PRODUCT
SHI PRODUCT PASSPORT
SENTINEL HOLDING INSTITUT
www.sentinel-holding.eu

Köttner

**Helmut Köttner**
Scientific Director
Freiburg, 17 August 2026

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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

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 | Other floor coverings | TVOC ≤ 160 µg/m$^3$<br>Formaldehyd ≤ 10 µg/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 2023.2

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|---|---|---|---|
| ENV 1.2 Local environmental impact | | | Not relevant for assessment |

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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 | 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 |
| **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. Konformitätserklärung vom 26.03.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 14.03.2024. | | | |

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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) | Stoffe nach Anlage C, Formaldehyd, Karzinogene VOC Kategorie 1A/1B | compliant |
| **Verification:** Prüfbericht des Instituts Eurofins Product Testing vom 15.11.2023. Konformitätserklärung vom 26.03.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. | | | |

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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 geprüften Produkt.

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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 des Instituts Eurofins Product Testing vom 15.11.2023. Konformitätserklärung vom 26.03.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. | | | |

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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 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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SGS TÜV SAAR


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TECHNISCHES DATENBLATT

Rubik GmbH

Vertrieb von Messe- Design & Objektbelägen

# Produktname „Authentic-Selection Klebevinyl“

## PRODUKTDATEN

| | | |
|---|---|---|
| Europäische Klassifizierung | EN ISO 10874 | Klasse 33 - 42 |
| Gesamtdicke | EN ISO 24346 | 2,5 mm |
| Flächengewicht | EN ISO 23997 | 4,70 kg / m² |
| Format: Planken / Fliesen | EN ISO 24342 | 25,0 x 153,0 cm<br>45,7 x 91,4 cm |
| Nutzschicht | EN ISO 24340 | 0,55 mm |
| Rutschklasse | DIN 51130 | R10 |
| Inhalt pro Box Planken / Fliesen | | 3,83 m²<br>3,35 m² |
| Boxen pro Palette Planken / Fliesen | | 183,84 m²<br>160,80 m² |

## TECHNISCHE DATEN

| | | |
|---|---|---|
| Brandverhalten | EN 13501-1 | Bfl-S1 |
| Resteindruckverhalten | EN ISO 24343-1 | ≤ 0,2 mm |
| Kratzbeständigkeit | EN 438 T2 | 6N |
| Dimensionsstabilität | EN ISO 23999 | ≤ 0,15 % |
| Lichtechtheit | EN ISO 105-B02 | ≥ 6 |
| Haushaltschemikalienbeständigkeit | EN ISO 26987 | beständig |
| Formaldehydemission | EN 717-1 | E1 |
| Wärmedurchlasswiderstand R | EN ISO 12664 | 0,040 m² K/W |
| Fußbodenheizung | | geeignet max. 27°C |
| Feuchtraumeignung | | geeignet |
| VOC Emission | ISO 16000 | A+<br>Auditierung durch EPH/Dresden |

## GARANTIE

**20 JAHRE (Wohnbereich)**

Die Gewährleistung gewährleistet Fabrikationsfehler und frühzeitiges Abnutzen bei normalem Gebrauch.

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Rubik GmbH
Vertrieb von Messe- Design & Objektbelägen

# Rubik GmbH

14.03.2024

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