SENTINEL HOLDING
INSTITUT

SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14817-10-1014

4000-Serie

Product group: Vinyl - Design floors

VIVAfloors

Vivafloors B. V.
Breukersweg 1C
7471 St. Goor, Niederlande

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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VIVAfloors

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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	Other floor coverings	TVOC ≤ 160 µg/m^3 Formaldehyd ≤ 10 µg/m^3	Indoor Air Quality Certified
Valid untill: 27 November 2026			

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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: Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG-384-01-01-2020 vom 06.03.2020 (Emissionen) sowie Prüfberichte SGS Nr. CANMLC2116139601 vom 02.09.2021 und Nr. CANMLC2116349801 vom 06.09.2021 (SVHC)

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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: Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG-384-01-01-2020 vom 06.03.2020 (Emissionen) sowie Prüfberichte SGS Nr. CANMLC2116139601 vom 02.09.2021 und Nr. CANMLC2116349801 vom 06.09.2021 (SVHC).			

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: Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG-384-01-01-2020 vom 06.03.2020 (Emissionen) sowie Prüfberichte SGS Nr. CANMLC2116139601 vom 02.09.2021 und Nr. CANMLC2116349801 vom 06.09.2021 (SVHC).			

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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: Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG-384-01-01-2020 vom 06.03.2020 (Emissionen) sowie Prüfberichte SGS Nr. CANMLC2116139601 vom 02.09.2021 und Nr. CANMLC2116349801 vom 06.09.2021 (SVHC).			

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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: Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG-384-01-01-2020 vom 06.03.2020 (Emissionen) sowie Prüfberichte SGS Nr. CANMLC2116139601 vom 02.09.2021 und Nr. CANMLC2116349801 vom 06.09.2021 (SVHC)			

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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: Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG-384-01-01-2020 vom 06.03.2020 (Emissionen) sowie Prüfberichte SGS Nr. CANMLC2116139601 vom 02.09.2021 und Nr. CANMLC2116349801 vom 06.09.2021 (SVHC)			

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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: Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG-384-01-01-2020 vom 06.03.2020 (Emissionen)

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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: Zertifikat eurofins Indoor Air Comfort Gold Nr. IACG-384-01-01-2020 vom 06.03.2020 (Emissionen)			

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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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Certificate

Indoor Air Comfort Gold

LVT Click and Dryback

Certified Product

Huizhou Weikang New Building Materials CO., LTD.

Applicant

The product complies with Indoor Air Comfort Gold requirements for product type, version 6.0 (2017). These include both inspections of factory production according to DIN 18200 and VOC testing according to EN 16516 and the ISO 16000 series, each in the latest versions, by an ISO 17025 accredited laboratory, at regular interval.

Indoor Air Comfort Gold certification ensures that low product emission requirements are fulfilled and is a sign of the applicant's focus on quality and contribution to a healthy indoor environment.

Details are defined in Indoor Air Comfort Gold requirements, version 6.0 (2017).

Certificate No.: IACG-384-01-01-2020
Date: 06 March 2020
Validity of certificate: 06 March 2025, with frequent surveillance and retesting.

Compliance with Indoor Air Comfort Gold means compliance with VOC requirements on low emitting products of:
Belgium regulation, France VOC class A+, Germany (AgBB/ABG), BREEAM international, BREEAM NOR, BREEAM NL, LEED, WELL Building, SKA Rating, French HQE certification, Italian regulation on GPP (Green Public Procurement), DGNB, BVB (Sweden), Blue Angel, Austrian ecolabel criteria, M1, Danish Indoor Climate Label, Singapore Green Label, GreenTag Australia

Thomas Neuhaus
Head of Certification Body

eurofins | Product Testing



VIVAfloors

Naaldhout - Pine - Nadelholz **4000**

Naaldhout - Pine - Nadelholz

Specificaties - Specifications - Technische Daten

NL	EN	DU		Lijmversie Glue down Kleber	Clickversie Click Klick
Speificaties	**Specifications**	**Technische Daten**			
Totale dikte	Total Thickness	Gesamtstärke	EN 428	2,5 mm	6,5 mm *Inclusief ondervloer* *Subfloor included* *Inklusive Uterlage*
Dikte van de slijtlaag	Wear layer	Nutzschicht	EN 429	0,55 mm	0,55 mm
Dikte geluiddempende IXPE ondervloer	Thickness soundinsulating IXPE underlay	Stärke trittschall IXPE untergrund	-	-	1 mm
Totaal gewicht	Total Weight	Total Gewicht	EN 430	4,53 kg/m^2	9,15 kg/m^2
Toplaag	Surface treatment	Oberflächen-vergütung	Embossed	PUR	PUR
Afmeting	Dimension	Abmessung	EN 24342	142.2 x 22.9 cm	142 x 22.5 cm
Gebruikscategorie	Usage classification	Klassifiezierung	EN 685	23, 33, 42	23, 33, 42
Clickverbinding	Locking System	Klickverbindung			2G–2G Välinge
Testresultaten	**Test Results**	**Testergebnisse**			
Vloerverwarming	Underfloor heating	Fussbodenheizung	EN 12524	Suitable *Max. 27 °C*	Suitable *Max. 27 °C*
Warmte doorlaat weerstand	Thermal resistance	Wärmedurchlass-widerstand	EN 12667	0,015 m^2 K/W	0,052 m^2 K/W
Rolstoeltest	Castor Chair	Rollstuhl	EN 425	Pass	Pass
Brandklasse	Fire resistance	Brandverhalten	EN 13501–1	Bfl-s1	Bfl-s1
Weerstand chemische stoffen	Chemical resistance	Chemikalien-beständigkeit	EN 423	Good	Good
Restindruk	Residual indentation	Eindruckverhalten	EN ISO 24343–1	≤ 0,10 mm	≤ 0,15 mm
Sliptest	Slip resistance	Rutschhemmung	EN 13893	R9	R9
Krasvastheid	Abrasion class	Verschleißgruppe	EN 660–2	T	T
Geluidsabsorptie	Sound reduction	Reduzierung des Trittschalls	EN 717–2 ISO 10140	4 dB	19 dB EU-norm 5 dB NL-norm *(incl Secura LVT Click Smart ISO 10140 Delta Lin 10 dB.)*
Lichtechtheid	Lightfastness	Lichtechtheit	ISO 105–B02	Pass ≥ 6	Pass ≥ 6
Dimensionale stabiliteit	Dimensional stability	Massänderung	EN 23999	< 0,25%	< 0,25%
Afmeting	Dimension	Verlegemass	EN427	Pass	Pass
Toxiciteit	Toxic elements test	Toxicität	EN 71	Not toxic	Not toxic
Garantie	Warranty	Garantie		Residential 25 years Commercial 10 years	Residential 25 years Commercial 10 years

First edition 2023 - Specifications are subject to change.

IAC Gold gecertificeerd
IAC Gold certified
IAC Gold zertifiziert