



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14098-10-1008

SPC Strong Variant

Product group: Flooring - SPC



HWZ International AG
Untere Gründlistrasse 23
6055 Alpnach-Dorf



Product qualities:



Köttner

Helmut Köttner
Scientific Director
Freiburg, 15 December 2025



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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: 21 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: Prüfbericht des Instituts Eco-Institut vom 21.12.2020 / Prüfberichts Nr. 55793-001. Konformitätserklärung vom 21.11.2026 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 01.12.2025			



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

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 1
Verification: Prüfbericht des Instituts Eco-Institut vom 21.12.2020 / Prüfberichts Nr. 55793-001. Konformitätserklärung vom 21.11.2026 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt.			

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 1
Verification: Prüfbericht des Instituts Eco-Institut vom 21.12.2020 / Prüfberichts Nr. 55793-001. Konformitätserklärung vom 21.11.2026 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt.			



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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 1
Verification: Prüfbericht des Instituts Eco-Institut vom 21.12.2020 / Prüfberichts Nr. 55793-001. Konformitätserklärung vom 21.11.2026 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt.			



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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 Eco-Institut vom 21.12.2020 / Prüfberichts Nr. 55793-001. Konformitätserklärung vom 21.11.2026 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 01.12.2025



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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 Eco-Institut vom 21.12.2020 / Prüfberichts Nr. 55793-001. Konformitätserklärung vom 21.11.2026 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.



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%20f%C3%BCr%20Produkte>

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TECHNISCHE DATEN SPECIFICATIONS		HOLZ / WOOD
Format Size		1220 x 230 mm
Stärke Thickness		4,8 mm
Vinyl- Nutzschicht Wear layer		0,3 mm
Vergütung Coating		UV
Struktur Surface		EIR
Gefaste Kanten Bevelled edge		Ja Yes
Verbindung Connection		Uniclic
Integrierte Unterlegmatte Integrated underlay mat		Ja Yes
1 Karton Box	Stück Pieces	8
	m ²	2,245
	Kg	21,23
1 Palette Pallet	Kartons Pack	36
	m ²	80,820
	Kg netto Gross	764
	Kg brutto Gross	794
Rutschhemmstufe Antislip category	DIN 51130	R10
Rutschfestigkeitsklasse Slip resistance class	EN 14041	DS
Chemikalienbeständigkeit Chemical resistance	EN 423	Gut Good
Trittschallreduktion Sound reduction	ISO 140-8	18 dB
Verschleissverhalten Wear resistance	EN 660-2	Gr. T
Brandverhalten Flammability	BS EN 13501	B _{f1} -s1
Formaldehyd Formaldehyde		E1
Fussbodenheizung Underflooring heating	EN 649	Geeignet für elektrische Fußbodenheizung Suitable for electric underfloor heating
Nutzungsklasse Utilization class		22+
Garantie Warranty	Wohnen Residential Mittlere gewerblich Moderate commercial	15 Jahre Years 3 Jahre Years



Produced under license of Unilin - EP nr. 0843763/U.S. patent nr. 6,006,486



Herstellernerklärung - HWZI8

Name: **HWZ Int. AG**

Adresse: **Untere Gründlistrasse 23, 6055 Alpnach Dorf, Schweiz**

erklärt in eigener Verantwortung, dass die Produkte:

Bezeichnung

Original-Artikelnummer

Strong SPC Multilayer+ Fliesen
Strong SPC Multilayer+ Planken
Strong SPC Variant 4.8/0.3

Position & Bauproduktgruppe: 2.2 Elastische Bodenbeläge - auch mehrschichtige Systeme

Betrachtete Stoffe: VOC / Emissionen / gefährliche Stoffe / Polyzyklische Aromatische Kohlenwasserstoffe (PAK) / SVHC / Schwermetalle

QNG-Anforderungen: Einhaltung AgBB-Schema, Kautschukbeläge

Schadstoffvermeidung: krebserzeugende Nitrosamine $\leq 0,011$ mg/kg oder $\leq 0,0002$ mg/m³; PVC-Bodenbeläge: reproduktiontoxische Phalate $\leq 0,10$ %; keine Zinn-, Cadmium- und Bleistabilisatoren

Obenstehende Produkte erfüllen die Kriterien für Schadstoffvermeidung in Baumaterialien vorgegeben durch das Qualitätssiegel Nachhaltiges Gebäude (QNG).

Alpnach Dorf, 01.12.2025

Jaime Iglesias

