



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

2227-10-1000

Greenline SPC

Product group: Floor coverings / Wall coverings - Design floors



REUD Bodenarena
Humboldtstrasse 14-16
50171 Kerpen



Product qualities:



Köttner

Helmut Köttner
Scientific Director

Freiburg, 02 February 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





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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: 24 July 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 04.08.2025			



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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	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: Herstellererklärung vom 04.08.2025			

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

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: Herstellererklärung vom 04.08.2025			



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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: Herstellererklärung vom 04.08.2025			



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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 04.08.2025			



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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: Zertifikat TÜV PROFiCERT-product Interior PREMIUM vom 07.08.2024 / Zertifikats Nr. 707205828-2. Konformitätserklärung vom 24.07.2025 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Eine Bestätigung der Inhaltsstoffanforderungen durch den Produzenten liegt vor.



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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 TÜV PROFiCERT-product Interior PREMIUM vom 07.08.2024 / Zertifikats Nr. 707205828-2. Konformitätserklärung vom 24.07.2025 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/Pr%C3%BCfverfahren%20f%C3%BCr%20Produkte>

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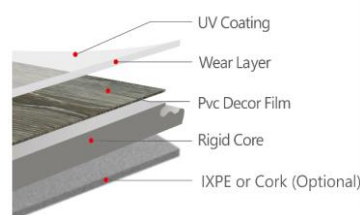
TECHNISCHES DATENBLATT

4,0/0,4 RIGD-SPC + Trittschall (IXPE/Kork)



Technische Daten

Format	1220x180 / 1220x229 / 610x610 / 457x914 / 1380x198
Nutzschicht	0,4 mm
Click-Verbindung	I4F
Trittschall	1mm IXPE
Gewicht	ca. 8,10 kg / m ²



Klassifizierung

		Prüfmethode / Norm	Bewertung gemäß Norm
	Nutzungsstufe 32 Normal beanspruchter gewerblicher Bereich	EN ISO 10874	Büros
	I4F-Verbindung	-	Einfache und schnelle Verlegung
	Brandverhalten	EN 13501-1	Bfl - s1
	Gleitwiderstand	EN 13893	DS
	Rutschhemmstufe	DIN 51130	R9
	Lichtechtheit	ISO 105-B02	≥ 6
	Bestimmung der Fleckenunempfindlichkeit und Chemikalienbeständigkeit	ISO 26987	beständig
	Gluttest	EN 13999	Rating 3
	Formaldehydmission	EN717-1	E1
	Resteindruck (Mittelwert)	EN433/ISO 24343-1	≥0,1mm
	Dimensionsstabilität	EN434/ISO 23999	≤ 0,1%
	Kratzbeständigkeit	EN438 T2	6N
	Wärmedurchlasswiderstand	EN 12667	0,050 (m²K)/W ohne Dämmatte
	Indoor Air Comfort Gold	DIN 18200 EN 16515 ISO 17025	zertifiziert
	VOC Emission	ISO 16000	A+
	VOC Emission		Auditierung durch Institut EPH/Dresden
	Entsorgung		mit privatem Hausmüll/ Sperrmüll möglich

* Bitte beachten Sie unsere Angaben zur Herstellergarantie

**Geeignet für alle herkömmlichen Warmwasser-Fußbodenheizungen bis zu einer Oberflächentemperatur von max 27°C

HERSTELLERERKLÄRUNG

> QNG – Schadstoffvermeidung in Baumaterialien
(Version 1.3, Korrekturfassung v. 14.09.2023)

> DGNB System 2023 – ENV1.2 Risiken für die lokale Umwelt

Hiermit bestätigen wir:

Reud Bodenarena

Humboldtstrasse 14-16

50171 Kerpen

für das folgende Produkt / die folgenden Produkte:

Greenline EPC

Greenline SPC

Das Produkt/ Erzeugnis/ mindestens ein Teilerzeugnis enthält Stoffe der Kandidatenliste (Version zum Ausstellungsdatum) oberhalb 0,1 Massen%:	nein
Einhaltung AgBB-Schema	ja
Reproduktionstoxische Phthalate < 0,10%	ja
Keine Zinn-, Cadmium- und Bleistabilisatoren	ja
Chlorparaffine < 0,1%	ja

Siegburg, 04.08.2025 *i.A. Liane Ergart*

Ort, Datum, Unterschrift