



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14607-10-1026

solidLOCK silent CREA

Product group: Design floors - Floor coverings / Wall coverings



Repac Montagetechnik GmbH & Co. KG
Ronnenberger Straße 15
30989 Gehrden



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: 02 April 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 TFI Aachen vom 25.07.2022 (Prüfbericht Nr. 22-000197-15). Konformitätserklärung vom 29.04.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 29.01.2025.



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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: Prüfbericht des Instituts TFI Aachen vom 25.07.2022 (Prüfbericht Nr. 22-000197-15). Konformitätserklärung vom 29.04.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 29.01.2025.

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, 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 TFI Aachen vom 25.07.2022 (Prüfbericht Nr. 22-000197-15). Konformitätserklärung vom 29.04.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 29.01.2025.



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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: Prüfbericht des Instituts TFI Aachen vom 25.07.2022 (Prüfbericht Nr. 22-000197-15). Konformitätserklärung vom 29.04.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 29.01.2025.			



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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: Prüfbericht des Instituts TFI Aachen vom 25.07.2022 (Prüfbericht Nr. 22-000197-15). Konformitätserklärung vom 29.04.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 29.01.2025.



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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: Prüfbericht des Instituts TFI Aachen vom 25.07.2022 (Prüfbericht Nr. 22-000197-15). Konformitätserklärung vom 29.04.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 29.01.2025.



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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 TFI Aachen vom 25.07.2022 (Prüfbericht Nr. 22-000197-15). Konformitätserklärung vom 29.04.2024 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.



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 Institut 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/C3%BCr%20Produkte>

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Technische Daten



solidLOCK 50-03

Crea

Produktspezifikation

Belagsart nach ISO 10582	Heterogenes PVC
Nutzschichtstärke	0,3 mm + Polyurethan
ISO 24337 Gesamtstärke	5,0 mm - 4,0 mm PVC + 1,0 mm IXPE
ISO 23997 Flächengewicht	+/- 7,850 kg/m²
ISO 23999 Dimensionsstabilität	In Längsrichtung: ≤0.15%
	In Querrichtung: ≤0.15%
EN 1815 Elektrostatisches Verhalten	Gummi-Testschuh: ≤2,0 kV
EN ISO 717-2 Maximale Schalldämmung	21 dB
EN 12664 Wärmedurchlasswiderstand	0,0160 m²K/W
EN 13501-1 Brandverhalten	Bfl-s1
ISO 24343-1 Resteindruck	≤0.05 mm
ISO 4918 Stuhlrollenbeanspruchung	✓
EN 13893 Rutschhemmung	≥ 0,30 mμ (R9)
ISO 10582 Beanspruchungsklasse	23 - intensive private Nutzung
	31 - leicht gewerbliche Nutzung
Garantie für private Nutzung	15 Jahre
ISO 24344A Biegsamkeit	-
ISO 26987 Chemikalienbeständigkeit	Klasse O - Gut
EN 717-1:2014 Formaldehyde	E1 (Frei von Formaldehyden)
EN ISO 105 B02 Lichtechtheit	6 abhängig vom Design
Fußbodenheizung	max. 29 °C ✓
Fase	4V
Format Diele	121,92 x 17,78 cm
Verpackungseinheit	10 Dielen / 2,167 m²



Technische Daten



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Crea XL

Produktspezifikation

Belagsart nach ISO 10582	Heterogenes PVC
Nutzschichtstärke	0,3 mm + Polyurethan
ISO 24337 Gesamtstärke	5,0 mm - 4,0 mm PVC + 1,0 mm IXPE
ISO 23997 Flächengewicht	+/- 7,868 kg/m²
ISO 23999 Dimensionsstabilität	In Längsrichtung: ≤0.15%
	In Querrichtung: ≤0.15%
EN 1815 Elektrostatisches Verhalten	Gummi-Testschuh: ≤2,0 kV
EN ISO 717-2 Maximale Schalldämmung	21 dB
EN 12664 Wärmedurchlasswiderstand	0,0160 m²K/W
EN 13501-1 Brandverhalten	Bfl-s1
ISO 24343-1 Resteindruck	≤0.05 mm
ISO 4918 Stuhlrollenbeanspruchung	✓
EN 13893 Rutschhemmung	≥ 0,30 mμ (R10)
ISO 10582 Beanspruchungsklasse	23 - intensive private Nutzung
	31 - leicht gewerbliche Nutzung
Garantie für private Nutzung	15 Jahre
ISO 24344A Biegsamkeit	-
ISO 26987 Chemikalienbeständigkeit	Klasse O - Gut
EN 717-1:2014 Formaldehyde	E1 (Frei von Formaldehyden)
EN ISO 105 B02 Lichtechtheit	6 abhängig vom Design
Fußbodenheizung	max. 29 °C ✓
Fase	4V
Format Diele	121,92 x 22,86 cm
Verpackungseinheit	8 Dielen / 2,23 m²



Technische Daten



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CREA STONE

Produktspezifikation

Belagsart nach ISO 10582	Heterogenes PVC
Nutzschichtstärke	0,3 mm + Polyurethan
ISO 24337 Gesamtstärke	5,0 mm - 4,0 mm PVC + 1,0 mm IXPE
ISO 23997 Flächengewicht	+/- 7,868 kg/m²
ISO 23999 Dimensionsstabilität	In Längsrichtung: ≤0.15%
	In Querrichtung: ≤0.15%
EN 1815 Elektrostatisches Verhalten	Gummi-Testschuh: ≤2,0 kV
EN ISO 717-2 Maximale Schalldämmung	21 dB
EN 12664 Wärmedurchlasswiderstand	0,0160 m²K/W
EN 13501-1 Brandverhalten	Bfl-s1
ISO 24343-1 Resteindruck	≤0.05 mm
ISO 4918 Stuhlrollenbeanspruchung	✓
EN 13893 Rutschhemmung	≥ 0,30 mμ (R10)
ISO 10582 Beanspruchungsklasse	23 - intensive private Nutzung
	31 - leicht gewerbliche Nutzung
Garantie für private Nutzung	15 Jahre
ISO 24344A Biegsamkeit	-
ISO 26987 Chemikalienbeständigkeit	Klasse O - Gut
EN 717-1:2014 Formaldehyde	E1 (Frei von Formaldehyden)
EN ISO 105 B02 Lichtechtheit	6 abhängig vom Design
Fußbodenheizung	max. 29 °C ✓
Fase	4V
Format Diele	80,00 x 40,00 cm
Verpackungseinheit	6 Fliesen / 1,92 m²





Herstellereklärung

29.01.2025

Sehr geehrte Damen und Herren,

hiermit bestätigen wir, dass bei der Produktion unserer aktuellen Designbodenkollektionen unter Einhaltung des AgBB-Schemas von folgenden Inhaltsstoffen abgesehen wird:

- 1) SVHC und CMR-Stoffe der Kategorie 1A und 1B < 0,1%
- 2) Reproduktionstoxische Phthalate < 0,1% und Cadmium-, Zinn- und Bleistabilisatoren
- 3) Chlorparaffine (SCCPs + MCCPs + LCCPs) < 0,1%

Mit freundlichen Grüßen

A handwritten signature in blue ink, appearing to read "Ulfig".

Produktmanagement Boden