



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14693-10-1023

B!Design LVT Tiles 4.2/03 und 4.2/04

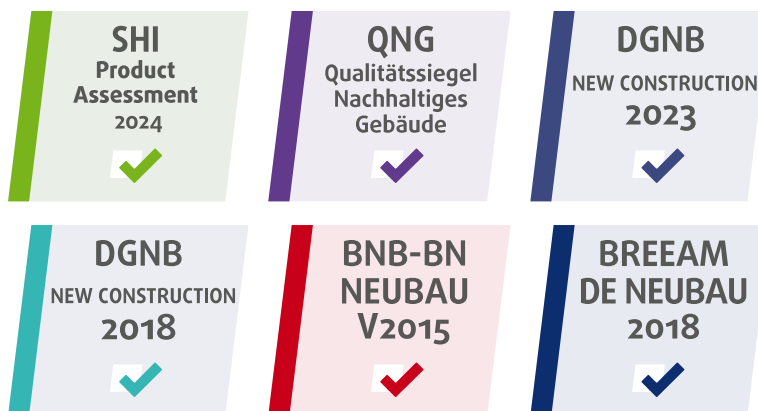
Product group: Vinyl

b!design

b!design / BAUHAUS
Gutenbergstraße 21
68167 Mannheim



Product qualities:



Köttner

Helmut Köttner
Scientific Director
Freiburg, 02 February 2026



Product:

B!Design LVT Tiles 4.2/03 und 4.2/04

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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: 14 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: Herstellererklärung vom 03.09.2024			



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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 1
Verification: Herstellererklärung vom 03.09.2024			

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: Herstellererklärung vom 03.09.2024			



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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 1
Verification: Herstellererklärung vom 03.09.2024			



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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: Herstellererklärung vom 03.09.2024			



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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 Eco-Instituts vom 10.01.2022 (Nr. 56870-A001-L)			



Product:

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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/C3%BCr%20Produkte>

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Herstellererklärung - HWZI5

Name: **HWZ Int. AG**

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

erklärt in eigener Verantwortung, dass die an die Hagebau gelieferten Produkte:

Bezeichnung

Original-Artikelnummer

b!design LVT Tile 4.2 / 0.3 (Fliese)

b!design LVT Tile 4.2 / 0.4 (Fliese)

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/m ³ ; 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 (GNG).

Alpnach Dorf, 19.08.2024

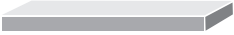
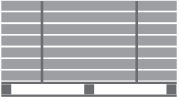
Jaime Iglesias



Technische Spezifikationen

Technical specifications



Kollektion Collection		4,2/0,3
Typ Type	Dielen Planks	
Format Size (mm)	1210 x 190 / 1220 x 180	
Stärke Thickness (mm)	4,2	
Nutzschicht Wear layer (mm)	0,3	
Vergütung Coating	UV	
Struktur Surface	Geprägt Embossed	
Gefaste Kanten Bevelled edge	Nein No	
Verbindung Connection	Uniclic	
Trittschalldämmung Impact sound insulation	Nein No	
1 Karton box 	Stück pieces	10
	m ²	2,299
	kg	17,63 / 18,31
1 Palette pallet 	kartons boxes	32
	m ²	73,568 / 70,272
	kg netto net	564,16 / 585,92
Rutschhemmstufe Slip resistance	DIN 51130	R10
Rutschfestigkeitsklasse Slip resistance class	CEN/TS 15676	DS
Resteindruck Residual indentation	EN 1534:2010	Erfüllt Pass
Wärmeleitfähigkeit Thermal conductivity	EN 12667:2001	0,111 W/m ² K
Brandverhalten Flammability	BS EN 13501	Bfl-s1
Formaldehyd Formaldehyde	E1	
Fussbodenheizung Underfloor heating	Geeignet zum Verlegen auf Warmwasser-Fussbodenheizung* Suitable for hot water heating systems*	
Nutzungsklasse Utilization class	23/31	
Herstellergarantie Warranty of the producer	Wohnen Residential Gewerblich Commercial	25 Jahre years 5 Jahre years

* Beachten Sie die Verlegeanleitung für weitere Details: bdesign-floors.com
See the installation instructions for more details: bdesign-floors.com

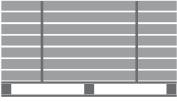
Für die Vollversion der DoP (Leistungserklärung) besuchen Sie: hwzi.ch/downloads
For the full version of the DoP (Declaration of Performance) visit: hwzi.ch/downloads



Technische Spezifikationen

Technical specifications



Kollektion Collection		4,2/0,3
Typ Type		Dielen Planks
Format Size (mm)		1210 x 220
Stärke Thickness (mm)		4,2
Nutzschicht Wear layer (mm)		0,3
Vergütung Coating		CB
Struktur Surface		IRE
Gefaste Kanten Bevelled edge		Ja Yes
Verbindung Connection		Droplock100
Trittschalldämmung Impact sound insulation		Nein No
1 Karton box 	Stück pieces	8
	m ²	2,130
	kg	17,58
1 Palette pallet 	kartons boxes	33
	m ²	70,29
	kg netto net	580,14
Rutschhemmstufe Slip resistance	DIN 51130	R10
Rutschfestigkeitsklasse Slip resistance class	CEN/TS 15676	DS
Resteindruck Residual indentation	EN 1534:2010	Erfüllt Pass
Wärmeleitfähigkeit Thermal conductivity	EN 12667:2001	0,167 W/m ² K
Brandverhalten Flammability	BS EN 13501	Bfl-s1
Formaldehyd Formaldehyde		E1
Fussbodenheizung Underfloor heating	Geeignet zum Verlegen auf Warmwasser-Fussbodenheizung* Suitable for hot water heating systems*	
Nutzungsklasse Utilization class		23/31
Herstellergarantie Warranty of the producer	Wohnen Residential Gewerblich Commercial	25 Jahre years 5 Jahre years

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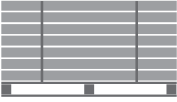
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Technische Spezifikationen

Technical specifications



Kollektion Collection		5,0/0,3
Typ Type		Dielen Planks
Format Size (mm)		1210 x 190
Stärke Thickness (mm)		5,0
Nutzschicht Wear layer (mm)		0,3
Vergütung Coating		UV
Struktur Surface		Geprägt Embossed
Gefaste Kanten Bevelled edge		Nein No
Verbindung Connection		Uniclic
Trittschalldämmung Impact sound insulation		Nein No
1 Karton box 	Stück pieces	8
	m ²	1,839
	kg	18,19
1 Palette pallet 	kartons boxes	32
	m ²	58,848
	kg netto net	582,08
Rutschhemmstufe Slip resistance	DIN 51130	R10
Rutschfestigkeitsklasse Slip resistance class	CEN/TS 15676	DS
Resteindruck Residual indentation	EN 1534:2010	Erfüllt Pass
Wärmeleitfähigkeit Thermal conductivity	EN 12667:2001	0,153 W/m ² K
Brandverhalten Flammability	BS EN 13501	Bfl-s1
Formaldehyd Formaldehyde		E1
Fussbodenheizung Underfloor heating	Geeignet zum Verlegen auf Warmwasser-Fussbodenheizung* Suitable for hot water heating systems*	
Nutzungsklasse Utilization class		23/31
Herstellergarantie Warranty of the producer	Wohnen Residential Gewerblich Commercial	25 Jahre years 5 Jahre years

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