



# SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

**14693-10-1011**

## b!Design SPC 5.0-0.3

Product group: Design floors - Vinyl



b!design / BAUHAUS  
Gutenbergstraße 21  
68167 Mannheim



### 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 $\leq 160 \mu\text{g}/\text{m}^3$<br>Formaldehyd $\leq 10 \mu\text{g}/\text{m}^3$ | Indoor Air Quality Certified |
| Valid untill: 15 March 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<br>Schadstoffvermeidung in<br>Baumaterialien | 2.2 Resilient floor coverings<br>– including multilayer<br>systems | VOC / Emissions / hazardous<br>substances / polycyclic<br>aromatic hydrocarbons (PAH) /<br>SVHC / heavy metals | QNG ready      |

**Verification:** Prüfbericht des Instituts Eco-Institut vom 28.02.2023 / Prüfberichts Nr. 57956-A001-L Konformitätserklärung vom 19.12.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 19.08.2024



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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 |
| <b>Verification:</b> Prüfbericht des Instituts Eco-Institut vom 28.02.2023 / Prüfberichts Nr. 57956-A001-L Konformitätserklärung vom 19.12.2024 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 |
| <b>Verification:</b> Prüfbericht des Instituts Eco-Institut vom 28.02.2023 / Prüfberichts Nr. 57956-A001-L Konformitätserklärung vom 19.12.2024 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 |
| <b>Verification:</b> Prüfbericht des Instituts Eco-Institut vom 28.02.2023 / Prüfberichts Nr. 57956-A001-L Konformitätserklärung vom 19.12.2024 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 28.02.2023 / Prüfberichts Nr. 57956-A001-L Konformitätserklärung vom 19.12.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 19.08.2024



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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<br>(including floor levelling<br>compounds and resin<br>flooring) | Emissions: Formaldehyde,<br>TVOC, TSVOC, carcinogens | Exemplary quality |

**Verification:** Prüfbericht des Instituts Eco-Institut vom 28.02.2023 / Prüfberichts Nr. 57956-A001-L Konformitätserklärung vom 19.12.2024 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 19.08.2024





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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.



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.



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.



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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.

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Find our criteria here: <https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfverfahren/kriterien%20f%C3%BCr%20Produkte>

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### Publisher

Sentinel Holding Institut GmbH  
Bötzingen Str. 38  
79111 Freiburg im Breisgau  
Germany  
Tel.: +49 761 590 481-70  
[info@sentinel-holding.eu](mailto:info@sentinel-holding.eu)  
[www.sentinel-holding.eu](http://www.sentinel-holding.eu)



**Made in  
Germany**

Sämtliche Abbildungen können farblich vom Originalprodukt abweichen.

## Amalfi

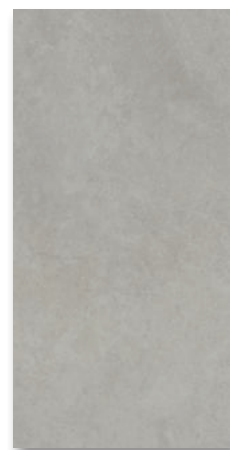
- ◇ Natürliche Steinoptik
- ◇ Formstabil, bis 400 m<sup>2</sup> freistehend verlegbar ohne Dehnfugen
- ◇ Wasserresistent und Phthalate frei
- ◇ Nur 5,0 mm Aufbauhöhe
- ◇ Nutzschicht 0,3 mm
- ◇ L 800 x B 400 mm
- ◇ Kartoninhalt 7 Dielen = 2,24 m<sup>2</sup>
- ◇ Einfache, schwimmend verlegt
- ◇ 5G Drop Down Verbindung
- ◇ Emissionsarm (Zertifiziert A+)
- ◇ Geeignet für Warmwasser- und elektrische Bodenheizungen
- ◇ Nutzungsklasse 23/31

### Vor der Verlegung zu beachten:

- Mengenbedarf +10% der Fläche
- Unterboden sauber, hart, eben, stabil und fest
- Unebenheiten ausgleichen (max. 3 mm pro 1,2 m)
- **Wichtig:** Raumtemperatur = Bodentemperatur = Nutzungstemperatur 15°C bis 60°C

### Bei der Verlegung zu beachten:

- Sofern Unterlagsmatte erforderlich: Druckfeste, ausschliesslich für Vinyl/SPC zugelassene verwenden (mindestens 500 kPa bis 1,5 mm, nicht klebend)
- Auf Linolium, Holz/Holzstoffplatten: Empfohlene Unterlagsmatte oder 0,2 mm PE Baufolie zur Entkoppelung zwingend erforderlich!
- Die Dielen müssen richtig eingeklickt sein
- Dehnfugen zu Wänden und feststehenden Gegenständen von > 10 mm einhalten
- Maximale Feldgröße 20 x 20 m



| Artikel-Nr. | Facido-Nr. | Bezeichnung                     | EAN           | Pack/PAL |
|-------------|------------|---------------------------------|---------------|----------|
| 30379169    | 106100300  | b!design SPC XL, Amalfi, 5,0 mm | 7640165929612 | 36       |



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Sämtliche Abbildungen können farblich vom Originalprodukt abweichen.

## Portofino

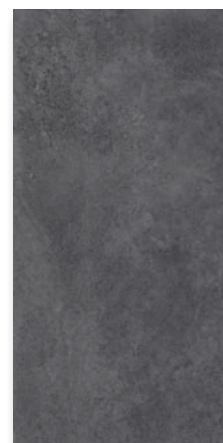
- ◇ Natürliche Steinoptik
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- ◇ L 800 x B 400 mm
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- Die Dielen müssen richtig eingeklickt sein
- Dehnfugen zu Wänden und feststehenden Gegenständen von > 10 mm einhalten
- Maximale Feldgröße 20 x 20 m



| Artikel-Nr. | Facido-Nr. | Bezeichnung                        | EAN           | Pack/PAL |
|-------------|------------|------------------------------------|---------------|----------|
| 30368680    | 106100301  | b!design SPC XL, Portofino, 5,0 mm | 7640165929629 | 36       |



# Technische Spezifikationen

## Technical specifications



|                                                                                                         |                                                                                                                                 |                          |
|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>Kollektion Collection</b>                                                                            |                                                                                                                                 | <b>3,5/0,2</b>           |
| Typ Type                                                                                                |                                                                                                                                 | Dielen Planks            |
| Format Size (mm)                                                                                        |                                                                                                                                 | 1220 x 182               |
| Stärke Thickness (mm)                                                                                   |                                                                                                                                 | 3,5                      |
| Nutzschicht Wear layer (mm)                                                                             |                                                                                                                                 | 0,2                      |
| Vergütung Coating                                                                                       |                                                                                                                                 | UV                       |
| Struktur Surface                                                                                        |                                                                                                                                 | EIR                      |
| Gefaste Kanten Bevelled edge                                                                            |                                                                                                                                 | Nein No                  |
| Verbindung Connection                                                                                   |                                                                                                                                 | Uniclic                  |
| Trittschalldämmung Impact sound insulation                                                              |                                                                                                                                 | Nein No                  |
| 1 Karton box<br>       | Stück pieces                                                                                                                    | 12                       |
|                                                                                                         | m <sup>2</sup>                                                                                                                  | 2,664                    |
|                                                                                                         | kg                                                                                                                              | 18.84                    |
| 1 Palette pallet<br> | kartons boxes                                                                                                                   | 40                       |
|                                                                                                         | m <sup>2</sup>                                                                                                                  | 106,8                    |
|                                                                                                         | kg netto net                                                                                                                    | 753.6                    |
| Rutschhemmstufe Slip resistance                                                                         | DIN 51130                                                                                                                       | R9                       |
| Rutschfestigkeitsklasse Slip resistance class                                                           | CEN/TS 15676                                                                                                                    | DS                       |
| Brinellhärte Residual indentation                                                                       | EN 1534:2010                                                                                                                    | –                        |
| Wärmedurchlasswiderstand Thermal conductivity                                                           | EN 12667:2001                                                                                                                   | 0,120 W/m <sup>2</sup> K |
| Brandverhalten Flammability                                                                             | BS EN 13501                                                                                                                     | Bfl-s1                   |
| Formaldehyd Formaldehyde                                                                                |                                                                                                                                 | E1                       |
| Fussbodenheizung Underfloor heating                                                                     | Geeignet zum Verlegen auf Warmwasser und elektrischer Fussbodenheizung*<br>Suitable for hot water and electric heating systems* |                          |
| Nutzungsklasse Utilization class                                                                        |                                                                                                                                 | 23/31                    |
| Herstellergarantie Warranty of the producer                                                             | Wohnen Residential                                                                                                              | 25 Jahre years           |
|                                                                                                         | Gewerblich Commercial                                                                                                           | 5 Jahre years            |

\* Beachten Sie die Verlegeanleitung für weitere Details / See the installation instructions for more details: [bdesign-floors.com](https://bdesign-floors.com)

Vollversion der Leistungserklärung unter / Full version of the Declaration of Performance under: [bdesign-floors.com/wissenswertes/downloads](https://bdesign-floors.com/wissenswertes/downloads)



# Herstellernerklärung - HWZI3

Name: **HWZ Int. AG**

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

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

Bezeichnung

Original-Artikelnummer

**b!Design SPC 5.0-0.3**

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**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<sup>3</sup>; PVC-Bodenbeläge: reproduktiontoxische Phalate  $\leq 0,10$  %; keine Zinn-, Cadmium- und Bleistabilisatoren

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

Alpnach Dorf, 19.08.2024

Jaime Iglesias

