



# SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

**15160-10-1000**

## Black Line

Product group: Design floors - Floor coverings / Wall coverings



Einkaufsgesellschaft Christiansen-Knutzen  
oHG  
Parkallee 16  
24782 Büdelsdorf



### 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 until: 13 October 2028 |                       |                                                                                        |                              |



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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      |
| <b>Verification:</b> Eurofins Indoor Air Comfort Gold Zertifikat vom 13.10.2023 (Zertifikats Nr. IACG-396-01-01-2023). 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 |
| <b>Verification:</b> Eurofins Indoor Air Comfort Gold Zertifikat vom 13.10.2023 (Zertifikats Nr. IACG-396-01-01-2023). Herstellererklärung vom 29.01.2025. |                                                                        |                                                                |                 |

| Criteria                                   | Assessment                                              |
|--------------------------------------------|---------------------------------------------------------|
| SOC1.2 Indoor air quality (*)              | May positively contribute to the overall building score |
| <b>Verification:</b> 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 |
| <b>Verification:</b> Eurofins Indoor Air Comfort Gold Zertifikat vom 13.10.2023 (Zertifikats Nr. IACG-396-01-01-2023). 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:** Eurofins Indoor Air Comfort Gold Zertifikat vom 13.10.2023 (Zertifikats Nr. IACG-396-01-01-2023). 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:** Eurofins Indoor Air Comfort Gold Zertifikat vom 13.10.2023 (Zertifikats Nr. IACG-396-01-01-2023). 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:** Eurofins Indoor Air Comfort Gold Zertifikat vom 13.10.2023 (Zertifikats Nr. IACG-396-01-01-2023). 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 |
| <b>Verification:</b> Eurofins Indoor Air Comfort Gold Zertifikat vom 13.10.2023 (Zertifikats Nr. IACG-396-01-01-2023). Herstellererklärung vom 29.01.2025 |                                                                             |                                                   |                   |



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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 comes with an SHI Product Passport. This innovative tool is unique in bringing together all product qualities in a single document and includes all necessary evaluations and evidence sources for the requirements according to SHI, DGNB, QNG, EU Taxonomy, BNB, and BREEAM.



Eurofins Indoor Air Comfort® confirms compliance with requirements for low VOC emissions. The standard level covers all mandatory VOC regulations in the EU, while the Gold level additionally takes into account emission criteria from voluntary ecolabels and building certifications.



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.

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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)

# Technische Daten

## Black Line 30

## Produktspezifikation

|                                              |                                              |
|----------------------------------------------|----------------------------------------------|
| Belagsart nach ISO 10582                     | Heterogenes PVC                              |
| ISO 14001                                    | ✓                                            |
| ISO 9001                                     | ✓                                            |
| ISO 24340 Nutzschrift                        | 0,3 mm + Polyurethan                         |
| ISO 24346 Gesamtstärke                       | 2,0 mm                                       |
| ISO 23997 Flächengewicht                     | +/- 3,620 kg/m²                              |
| ISO23999 Dimensionsstabilität                | In Längsrichtung: -0.05%                     |
|                                              | In Querrichtung: -0.05%                      |
| EN 1081 Durchgangswiderstand                 | Horizontal: $5.2 \times 10^7 \Omega$         |
|                                              | Vertikal: $2.2 \times 10^{12} \Omega$        |
| EN 1815 Elektrostatisches Verhalten          | Gummi-Testschuh: +0,3 kV                     |
| ISO 10140-1 Maximale Schalldämmung           | $\Delta L_w$ 4 dB                            |
| ISO 354 Maximale Schallabsorption            | $\delta_s$ 0.05                              |
| EN 12667 / ISO 8302 Wärmedurchlasswiderstand | 0,014 m²K/W                                  |
| EN 13501-1 - 1:2007 Brandverhalten           | Bfl-s1                                       |
| ISO 24343-1 Resteindruck                     | -0.02 mm                                     |
| ISO 4918 Stuhlrollenbeanspruchung            | ✓                                            |
| EN 13893 Rutschhemmung                       | 0.4 m $\mu$ (R9)                             |
| ISO 10582 Beanspruchungsklasse               | 23 - intensive private Nutzung               |
|                                              | 31 - leicht gewerbliche Nutzung              |
| ISO 24344A Biegsamkeit                       | -                                            |
| ISO 26987 Chemikalienbeständigkeit           | Klasse O - Gut                               |
| EN 71 Toxizität                              | Nicht toxisch                                |
| EN ISO 105 B02 Lichtechtheit                 | 6-8 abhängig vom Design                      |
| Fußbodenheizung                              | 28 °C ✓                                      |
| Format Diele                                 | 121,92 x 22,86 cm oder 121,92 x 18,42 cm     |
| Verpackungseinheit                           | 12 Dielen / 3,34 m² oder 15 Dielen / 3,37 m² |



# Technische Daten

## Black Line 55

## Produktspezifikation

|                                              |                                      |
|----------------------------------------------|--------------------------------------|
| Belagsart nach ISO 10582                     | Heterogenes PVC                      |
| ISO 14001                                    | ✓                                    |
| ISO 9001                                     | ✓                                    |
| ISO 24340 Nutzschrift                        | 0,55 mm + Polyurethan                |
| ISO 24346 Gesamtstärke                       | 2,5 mm                               |
| ISO 23997 Flächengewicht                     | +/- 4,350 kg/m <sup>2</sup>          |
| ISO23999 Dimensionsstabilität                | In Längsrichtung: -0.08              |
|                                              | In Querrichtung: -0.04               |
| EN 1081 Durchgangswiderstand                 | Horizontal: 1.0 x 10 <sup>16</sup> Ω |
|                                              | Vertikal: 1.0 x 10 <sup>13</sup> Ω   |
| EN 1815 Elektrostatisches Verhalten          | Gummi-Testschuh: -0,3 kV             |
| ISO 10140-1 Maximale Schalldämmung           | ΔL <sub>w</sub> 5 dB                 |
| ISO 354 Maximale Schallabsorption            | δs 0.05                              |
| EN 12667 / ISO 8302 Wärmedurchlasswiderstand | 0,014 m <sup>2</sup> K/W             |
| EN 13501-1 - 1:2007 Brandverhalten           | Bfl-s1                               |
| ISO 24343-1 Resteindruck                     | 0.11 mm                              |
| ISO 4918 Stuhlrollenbeanspruchung            | ✓                                    |
| EN 13893 Rutschhemmung                       | 0.6 mμ (R9)                          |
| ISO 10582 Beanspruchungsklasse               | 33 - intensive gewerbliche Nutzung   |
|                                              | 42 - normale industrielle Nutzung    |
| ISO 24344A Biegsamkeit                       | -                                    |
| ISO 26987 Chemikalienbeständigkeit           | Klasse O - Gut                       |
| EN 71 Toxizität                              | Nicht toxisch                        |
| Phthalatfrei                                 | ✓                                    |
| EN ISO 105 B02 Lichtechtheit                 | 6-8 abhängig vom Design              |
| Fußbodenheizung                              | 28 °C ✓                              |
| Format Diele                                 | 121,92 x 22,86 cm                    |
| Verpackungseinheit                           | 12 Dielen / 3,34 m <sup>2</sup>      |



# Technische Daten

## Black Line Herringbone 55

## Produktspezifikation

|                                              |                                      |
|----------------------------------------------|--------------------------------------|
| Belagsart nach ISO 10582                     | Heterogenes PVC                      |
| ISO 14001                                    | ✓                                    |
| ISO 9001                                     | ✓                                    |
| ISO 24340 Nutzschrift                        | 0,55 mm + Polyurethan                |
| ISO 24346 Gesamtstärke                       | 2,5 mm                               |
| ISO 23997 Flächengewicht                     | +/- 4,350 kg/m <sup>2</sup>          |
| ISO 23999 Dimensionsstabilität               | In Längsrichtung: -0.08%             |
|                                              | In Querrichtung: -0.04%              |
| EN 1081 Durchgangswiderstand                 | Horizontal: 1.0 x 10 <sup>16</sup> Ω |
|                                              | Vertikal: 1.0 x 10 <sup>13</sup> Ω   |
| EN 1815 Elektrostatisches Verhalten          | Gummi-Testschuh: -0,3 kV             |
| ISO 10140-1 Maximale Schalldämmung           | ΔL <sub>w</sub> 5 dB                 |
| ISO 354 Maximale Schallabsorption            | δs 0.05                              |
| EN 12667 / ISO 8302 Wärmedurchlasswiderstand | 0,014 m <sup>2</sup> K/W             |
| EN 13501-1 - 1:2007 Brandverhalten           | Bfl-s1                               |
| ISO 24343-1 Resteindruck                     | 0.11 mm                              |
| ISO 4918 Stuhlrollenbeanspruchung            | ✓                                    |
| EN 13893 Rutschhemmung                       | 0.6 mμ (R9)                          |
| ISO 10582 Beanspruchungsklasse               | 33 - intensive gewerbliche Nutzung   |
|                                              | 42 - normale industrielle Nutzung    |
| ISO 24344A Biegsamkeit                       | -                                    |
| ISO 26987 Chemikalienbeständigkeit           | Klasse O - Gut                       |
| EN 71 Toxizität                              | Nicht toxisch                        |
| Phthalatfrei                                 | ✓                                    |
| EN ISO 105 B02 Lichtechtheit                 | 6-8 abhängig vom Design              |
| Fußbodenheizung                              | 28 °C ✓                              |
| Format Diele                                 | 60,96 x 11,43 cm                     |
| Verpackungseinheit                           | 48 Dielen / 3,34 m <sup>2</sup>      |



# Technische Daten

## Black Line Tiles 30

## Produktspezifikation

|                                              |                                     |
|----------------------------------------------|-------------------------------------|
| Belagsart nach ISO 10582                     | Heterogenes PVC                     |
| ISO 14001                                    | ✓                                   |
| ISO 9001                                     | ✓                                   |
| ISO 24340 Nutzschrift                        | 0,3 mm + Polyurethan                |
| ISO 24346 Gesamtstärke                       | 2,0 mm                              |
| ISO 23997 Flächengewicht                     | +/- 3,620 kg/m <sup>2</sup>         |
| ISO23999 Dimensionsstabilität                | In Längsrichtung: -0.05%            |
|                                              | In Querrichtung: -0.05%             |
| EN 1081 Durchgangswiderstand                 | Horizontal: 5.2 x 10 <sup>7</sup> Ω |
|                                              | Vertikal: 2.2 x 10 <sup>12</sup> Ω  |
| EN 1815 Elektrostatisches Verhalten          | Gummi-Testschuh: +0,3 kV            |
| ISO 10140-1 Maximale Schalldämmung           | ΔL <sub>w</sub> 4 dB                |
| ISO 354 Maximale Schallabsorption            | δs 0.05                             |
| EN 12667 / ISO 8302 Wärmedurchlasswiderstand | 0,014 m <sup>2</sup> K/W            |
| EN 13501-1 - 1:2007 Brandverhalten           | Bfl-s1                              |
| ISO 24343-1 Resteindruck                     | -0.02 mm                            |
| ISO 4918 Stuhlrollenbeanspruchung            | ✓                                   |
| EN 13893 Rutschhemmung                       | 0.4 mμ (R9)                         |
| ISO 10582 Beanspruchungsklasse               | 23 - intensive private Nutzung      |
|                                              | 31 - leicht gewerbliche Nutzung     |
| ISO 24344A Biegsamkeit                       | -                                   |
| ISO 26987 Chemikalienbeständigkeit           | Klasse O - Gut                      |
| EN 71 Toxizität                              | Nicht toxisch                       |
| EN ISO 105 B02 Lichtechtheit                 | 6-8 abhängig vom Design             |
| Fußbodenheizung                              | 28 °C ✓                             |
| Format Diele                                 | 91,44 x 45,72 cm                    |
| Verpackungseinheit                           | 10 Fliesen / 4,18 m <sup>2</sup>    |





## 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