SENTINEL HOLDING
INSTITUT

# SHI PRODUCT PASSPORT

**Find products. Certify buildings.**

SHI Product Passport No.:

**2238-10-1000**

# KORNBLUME BLAU

Product group: Wallpaper

ORGANOID®
NATURAL SURFACES

ORGANOID GmbH
Nesselgarten 422
A-6500 Fließ

## Product qualities:

- SHI Product Assessment 2024
- QNG Qualitätssiegel Nachhaltiges Gebäude
- DGNB NEW CONSTRUCTION 2023.2
- DGNB NEW CONSTRUCTION 2023
- DGNB NEW CONSTRUCTION 2018
- BNB-BN NEUBAU V2015
- EU TAXONOMY
- BREEAM DE NEUBAU 2018
- LEED v4.1 (outside US)

CERTIFIED SUSTAINABLE PRODUCT
SHI PRODUCT PASSPORT
SENTINEL HOLDING INSTITUT
www.sentinel-holding.eu

Köttner

**Helmut Köttner**
Scientific Director
Freiburg, 26 August 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

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 products | TVOC ≤ 300 µg/m$^3$<br>Formaldehyd ≤ 24 µg/m$^3$ | Indoor Air Quality Certified |
| **Valid untill: 26 February 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 | | | QNG ready - Not relevant for assessment |

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# DGNB New Construction 2023.2

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|---|---|---|---|
| ENV 1.2 Local environmental impact | | | Not relevant for assessment |

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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 | Assessment |
|---|---|
| ENV1.1 Climate action and energy (*) | May positively contribute to the overall building score |
| **Verification:** EPD in Ausarbeitung | |

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|---|---|---|---|
| ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition) | | | Not relevant for assessment |

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|---|---|---|---|
| ENV 1.2 Local environmental impact, 29.05.2025 (4th edition) | not applicable | | Not relevant for assessment |

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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 | | | Not relevant for assessment |

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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 | | | Not relevant for assessment |

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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 | Sonstige | Stoffe nach Anlage C | compliant |
| **Verification:** Herstellererklärung vom 25.02.2025 10.03.2026 / Herstellererklärung aktualisiert / AO | | | |

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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 | Ceiling, wall, and acoustic and thermal insulation materials | Emissions: Formaldehyde, TVOC, TSVOC, carcinogens | Exemplary quality |
| **Verification:** Prüfbericht eco-Institut Nr. 59345-A001-AgBB-L vom 04.09.2024 | | | |

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## LEED v4.1

LEED (Leadership in Energy and Environmental Design) is an internationally recognised building certification system developed by the U.S. Green Building Council. It is one of the most widely used sustainability standards for buildings worldwide and is particularly applied in internationally oriented projects. LEED assesses buildings holistically across categories such as energy efficiency, resource conservation, material selection, indoor environmental quality and site sustainability. Depending on the number of points achieved, projects are awarded one of the certification levels: LEED Certified, Silver, Gold or Platinum.

| Criteria | Product category | Considered substances | Assessment |
|---|---|---|---|
| EQ Credit: Low-Emitting Materials | Wand- und Deckenelemente | Emissionen: Formaldehyd, VOC, Krebserregende Stoffe | compliant |
| **Verification:** Prüfbericht eco-Institut Nr. 59345-A001-AgBB-L vom 04.09.2024 | | | |

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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.




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%BCfkriterien%20f%C3%BCr%20Produkte**

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SGS TÜV SAAR

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# KORNBLUME BLAU

**Artikel Nr.** KOBBLU0085FVPRW

**Eine Oberfläche, die an einen strahlend blauen Himmel erinnert und Ruhe vermittelt**
**Leuchtend blaue Kornblumenblüten bilden diese exklusive Oberfläche. Durch die Textur und Farbgebung der Blütenblätter entsteht eine einzigartige Struktur - designed by Nature. Für eine einzigartige Raumgestaltung.**

- leuchtendes Farberlebnis und Natur pur - kommt ganz ohne zusätzliche Farbstoffe aus
- die Oberfläche vermittelt ein Gefühl von Ruhe, Leichtigkeit und Harmonie
- die einzigartige Struktur und Farbgebung sorgen für einen ganz besonderen Effekt

Leuchtend blaue Kornblumenblüten in vollflächiger Auftragsstärke premium auf unterschiedlichen Trägermaterialien - so wird jede Anwendung im Innenraum möglich.

## Eigenschaften

| | |
|---|---|
| **Rohmaterial** | Leuchtend blaue Kornblumenblüten |
| **Duft** | ●○○ |
| **Lichtechtheit** | ●●● |
| **Abriebfestigkeit** | ●●● |
| **Farbe** | ●●● |

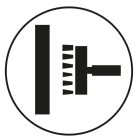
## Technische Details

| | |
|---|---|
| **Trägermaterial** | Flachsvlies |
| **Format** | Rollenware, Breite: 1.360 mm |
| **MOQ** | 1 $m^2$ ( ca. 0,74 lm) |
| **Gewicht** | 420 $g/m^2$ |
| **Stärke** | 0,8 mm |
| **Flexibilität** | Biegeradien bis 0,5 mm |
| **Transluzenz** | blickdicht |

## Materialdetails

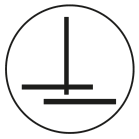
**Wandklebetechnik**

Nicht die Tapetenrückseite, sondern der Untergrund wird mit Kleister eingestrichen. Bitte beachte unsere Kleberempfehlungen.



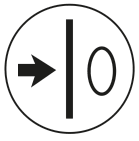
**Überlappung und Doppelnahtschnitt**

Jede neue Bahn überlappt die vorherige um 2 cm. Kantentoleranz ist zu beachten.



**Ansatzfrei**

Durch die Streuoptik ist kein Rapport beim Kleben zu beachten.



**Atmungsaktiv**

Der natürliche Flachsvliesträger ist atmungsaktiv, ungebleicht, ökologisch und klimaregulierend.



## Verarbeitung

### Tapete

Verarbeitungshinweise für Organoid Naturoberflächen auf Flachsvlies als Wandtapete:

- Wandklebetechnik
- Beachte die Organoid Kleberempfehlungen
- Doppelnahtschnitt mit 2 cm Überlappung, Kantentoleranz 1-2 mm
- Zuschnitt mit Schere, Cutter oder Plotter
- Vorversuche empfohlen
- Bei den Tapeten ist die Wirkung nach der Verarbeitung von drei Bahnen zu überprüfen. Ansprüche, die über den Ersatz von fehlerhafter Ware hinausgehen, werden nicht anerkannt.

Zur Verarbeitung

### Holzverarbeitung

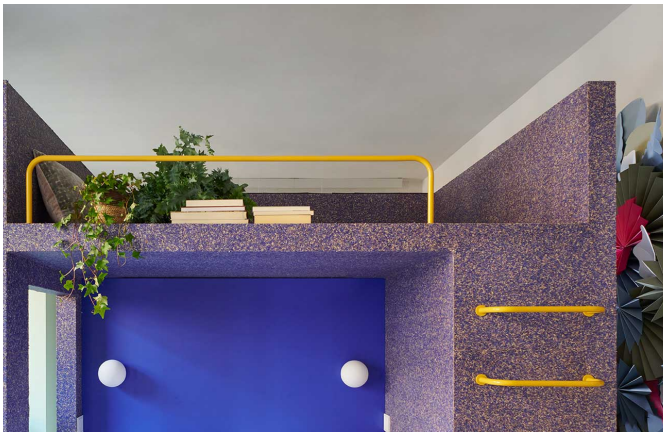
Verarbeitungshinweise für Organoid Naturoberflächen auf Flachsvlies im Holzverbund:

- Verarbeitung mit dem gewohnten Maschinenpark eines Tischlers
- Naturoberfläche beim Pressen mit Trennpapier abdecken
- Presstemperatur max. 60°C
- Kantentoleranz 1-2 mm
- Bei sensiblen Anwendungen auf Anfrage mitgelieferten Gegenzug verwenden
- Zuschnitt mit Schere, Cutter oder Plotter
- Vorversuche empfohlen

Zur Verarbeitung

## Inspiration







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