SENTINEL HOLDING
INSTITUT

# SHI PRODUCT PASSPORT

**Find products. Certify buildings.**

SHI Product Passport No.:

**14748-10-1075**

# MDF-Leisten

Product group: Skirting boards

KGM MEHR LEISTEN

KGM Holzerzeugnisse GmbH
Munninger Straße 4
86732 Oettingen

## Product qualities:

- SHI Product Assessment 2024
- QNG Qualitätssiegel Nachhaltiges Gebäude
- 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, 23 July 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 | Wood materials | TVOC ≤ 300 µg/m$^3$<br>Formaldehyd ≤ 36 µg/m$^3$ | Indoor Air Quality Certified |
| **Valid untill: 25 July 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 | 9.1 Wood-based materials (plywood, OSB, and HPL) | Formaldehyde / VOC / emissions / hazardous substances / SVHC: boron compounds | QNG ready |

**Verification:** SP Technical Research Institute of Sweden, Brinellgatan 4 in SE-501 15 BORAS vom 31.01.2017, Bericht Nr. 6P09739-01. Konformitätserklärung vom 14.04.2025 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. Herstellererklärung vom 15.08.2024.

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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.

## General

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|---|---|---|---|
| ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition) | 47 Coated and uncoated wood-based materials: particle board, blockboard, veneer panels, fibreboard | Formaldehyde emissions | Quality level 4 |
| **Verification:** SP Technical Research Institute of Sweden, Brinellgatan 4 in SE-501 15 BORAS vom 31.01.2017, Bericht Nr. 6P09739-01. Konformitätserklärung vom 14.04.2025 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. | | | |

| 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) | Coated and uncoated wood-based materials | VVOC, VOC, SVOC emissions | Quality level 4 |
| **Verification:** SP Technical Research Institute of Sweden, Brinellgatan 4 in SE-501 15 BORAS vom 31.01.2017, Bericht Nr. 6P09739-01. Konformitätserklärung vom 14.04.2025 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. | | | |

## Beschichtung

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|---|---|---|---|
| ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition) | 1 Coatings on non-mineral substrates: metals, wood, plastics | VVOC, VOC, SVOC Emissionen oder Gehalt | Quality level 4 |
| **Verification:** Herstellererklärung vom 10.12.2025 | | | |

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|---|---|---|---|
| ENV 1.2 Local environmental impact, 29.05.2025 (4th edition) | 1 Coatings on non-mineral substrates: metals, wood, plastics | VVOC, VOC, SVOC Emissionen oder Gehalt | Quality level 4 |
| **Verification:** Herstellererklärung vom 10.12.2025 | | | |

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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.

## General

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|---|---|---|---|
| ENV 1.2 Local environmental impact | 47a Industrially manufactured products | Formaldehyde | Quality level 4 |
| **Verification:** SP Technical Research Institute of Sweden, Brinellgatan 4 in SE-501 15 BORAS vom 31.01.2017, Bericht Nr. 6P09739-01. Konformitätserklärung vom 14.04.2025 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt. | | | |

## Beschichtung

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|---|---|---|---|
| ENV 1.2 Local environmental impact | 1 Coatings on non-mineral subsurfaces | VOC | Quality level 3 |
| **Verification:** Herstellererklärung vom 10.12.2025 | | | |

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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 | | | 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 | | Substances according to Annex C | compliant |
| **Verification:** Herstellerklärung vom 03.09.2025 | | | |

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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 | Wood-based products | Emissions: Formaldehyde, TVOC, TSVOC, carcinogens | Exemplary quality |

**Verification:** SP Technical Research Institute of Sweden, Brinellgatan 4 in SE-501 15 BORAS vom 31.01.2017, Bericht Nr. 6P09739-01. Konformitätserklärung vom 14.04.2025 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt.

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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 | Holzwerkstoffe | | compliant |

**Verification:** SP Technical Research Institute of Sweden, Brinellgatan 4 in SE-501 15 BORAS vom 31.01.2017, Bericht Nr. 6P09739-01. Konformitätserklärung vom 14.04.2025 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 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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86732 Oettingen

MEHR LEISTEN

## Herstellererklärung EU-TAXONOMIE VERORDNUNG

**Zur Bestätigung der Konformität gemäß Anlage C zur Vermeidung und Verminderung der Umweltverschmutzung gemäß der Delegierten Verordnung (EU) 2023/2486 der Kommission vom 27. Juni 2023.**

Wir bestätigen für unsere zertifizierten Produkte:

- Abdeck- und Verkleidungsleisten
- Banklatten
- Bekleidungsleisten
- Deckenabschlussleisten
- Dreikantleisten
- Ecktürme
- Falzleisten
- Heizkörperrosetten
- Hohlkehlleisten
- Profil- und Nutleisten
- Quadrat- und Rechteckleisten
- Rund-, Halbrund- und Riffelstäbe
- Sockelleisten furniert oder mit Starkfolie ummantelt
- Sockelleisten Kiefer
- Sockelleisten Massivholz
- Sockelleisten MDF
- Tischkant- und Tapetenleisten
- Viertelstäbe
- Winkelleisten

| | |
|---|---|
| Das Produkt/ Erzeugnis/ mindestens ein Teilerzeugnis enthält Stoffe der Kandidatenliste (Version zum Ausstellungsdatum) oberhalb 0,1 Massen%: | **nein** |
| Das Produkt/Erzeugnis/mindestens ein Teilerzeugnis enthält weitere CMR-Stoffe der Kategorie 1A oder 1B, die nicht auf der Kandidatenliste stehen, oberhalb von 0,1 Massen-% in mindestens einem Teilerzeugnis: | **nein** |

Oettingen, 03.09.25
……
Ort und Datum

KGM Holzerzeugnisse GmbH
Munninger Str. 4
86732 Oettingen

……
Unterschrift Aussteller

Aussteller:

KGM Holzerzeugnisse GmbH
Munninger Str. 4
86732 Oettingen

## Herstellererklärung KGM Holzerzeugnisse GmbH für lackierte Holzprodukte

Wir bestätigen, dass die Anforderungen von QNG und DGNB 2023 (3. und 4. Auflage) eingehalten werden und alle verwendeten Lacke **einen VOC-Gehalt von < 100 g/l** aufweisen.

Oettingen, 10.12.25
……
Ort und Datum

KGM Holzerzeugnisse GmbH
Munninger Str. 4
86732 Oettingen
……
Unterschrift Aussteller