SENTINEL HOLDING
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SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

13373-10-1109

PE-Hinterfüllmaterial

Product group: Sealants

WÜRTH

Adolf Würth GmbH & Co. KG
Reinhold-Würth-Straße 12-17
74653 Künzelsau-Gaisbach

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
- 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

Product:
PE-Hinterfüllmaterial

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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 products	TVOC ≤ 300 µg/m³ Formaldehyd ≤ 24 µg/m³	Indoor air neutral
Valid untill: 30 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 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	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 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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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			Not relevant for assessment

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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			Not relevant for assessment

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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.

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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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TECHNISCHES DATENBLATT

PE-Hinterfüllmaterial

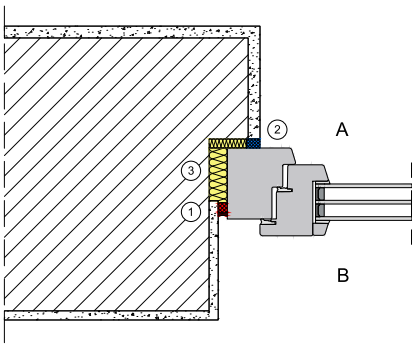
Art.-Nr. 0875 810 100
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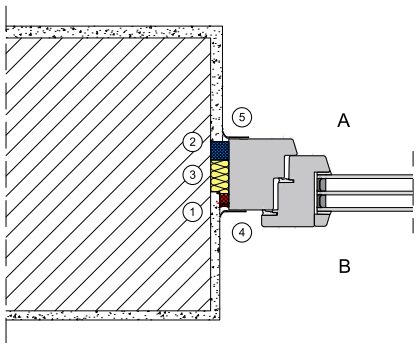
Silikonfrei und gute Fugenfüllkraft

Chemische Basis	Polyethylen
Farbe	Grau
Durchmesser (Ø)	10 mm
Länge	100 m
Rohdichte	30 kg/m³
Rohdichte Bedingung	nach DIN 53420
Stauchhärte	40 N/mm²
Stauchhärte Bedingung	nach DIN 53577, 40% Längsstauchung
Bruchdehnung min.	15 %
Bruchdehnung Bedingung	nach DIN 53571
Zugfestigkeit min.	200 kPa
Zugfestigkeit max.	300 kPa
Zugfestigkeit Bedingung	nach DIN 53571
Temperaturbeständigkeit min.	-40 °C
Temperaturbeständigkeit max.	60 °C
FCKW (Treibgas) frei	Ja
Silikonfrei	Ja
DIN	18540
Baustoffklasse	B3 - Leicht entflammbar
Baustoffklasse Bedingung	nach DIN 4102

SENTINEL HAUS INSTITUT



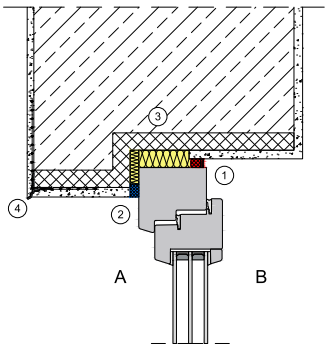
1. PE-Hinterfüllmaterial, Schnittfeste Rundschnur, Maleracryl
2. Dichtungsband VKP PLUS, Dichtungsband VKP MAX
3. 1K-Pistolenschaum PURLOGIC Top, 1K-Pistolenschaum PURLOGIC Flex



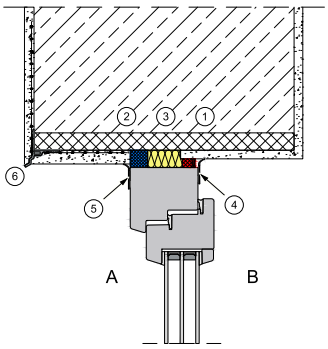
1. PE-Hinterfüllmaterial
2. Dichtungsband VKP PLUS, Dichtungsband VKP MAX
3. 1K-Pistolenschaum PURLOGIC Top, 1K-Pistolenschaum PURLOGIC Flex
4. Flachleiste mit Lippe

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TECHNISCHES DATENBLATT



1. PE-Hinterfüllmaterial
2. Dichtungsband VKP PLUS, Dichtungsband VKP MAX
3. 1K-Pistolenschaum PURLOGIC Top, 1K-Pistolenschaum PURLOGIC Flex
4. Tropfkantenprofil UP



1. PE-Hinterfüllmaterial
2. Dichtungsband VKP PLUS, Dichtungsband VKP MAX
3. 1K-Pistolenschaum PURLOGIC Top, 1K-Pistolenschaum PURLOGIC Flex
4. Flachleiste mit Abdichtung außen, Flachleiste mit Abdichtung
5. Tropfkantenprofil UP

Hinweis

Ø 6–30 mm sind als Rollenware, Ø 40 und 50 mm als Stangenware mit je 1 m Länge erhältlich.

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