



# SHI PRODUCT PASSPORT

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SHI Product Passport No.:

**14149-10-1020**

## BE SAFE

Product group: OSB & chipboard



SWISS KRONO Tec AG  
Museggstr. 14  
6004 Luzern



### Product qualities:



*Köttner*

Helmut Köttner  
Scientific Director

Freiburg, 24 February 2026



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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 $\leq 300 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 36 \mu\text{g}/\text{m}^3$	Indoor Air Quality Certified
Valid until: 24 February 2028			



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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)	47 Coated and uncoated wood-based materials: particle board, blockboard, veneer panels, fibreboard	Formaldehyde emissions	Quality level 4

**Verification:** Prüfbericht des Instituts Fraunhofer Institut für Holzforschung Wilhelm-Klauditz-Institut WKI vom 15.10.2019. Die weitere materielle Übereinstimmung mit dem geprüften Produkt wird mittels Konformitätserklärung vom 04.02.2026 bestätigt.

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:** Prüfbericht des Instituts Fraunhofer Institut für Holzforschung Wilhelm-Klauditz-Institut WKI vom 15.10.2019. Die weitere materielle Übereinstimmung mit dem geprüften Produkt wird mittels Konformitätserklärung vom 04.02.2026 bestätigt.



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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	47a Industrially manufactured products	Formaldehyde	Quality level 4

**Verification:** Prüfbericht des Instituts Fraunhofer Institut für Holzforschung Wilhelm-Klauditz-Institut WKI vom 15.10.2019. Die weitere materielle Übereinstimmung mit dem geprüften Produkt wird mittels Konformitätserklärung vom 04.02.2026 bestätigt.



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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:** Prüfbericht des Instituts Fraunhofer Institut für Holzforschung Wilhelm-Klauditz-Institut WKI vom 15.10.2019. Die weitere materielle Übereinstimmung mit dem geprüften Produkt wird mittels Konformitätserklärung vom 04.02.2026 bestätigt.



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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.

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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/C3%BCr%20Produkte>

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