SENTINEL HOLDING
INSTITUT

SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

13180-10-1008

Glattkantbrett Fichte/Tanne, Gehobelt

Product group: Wood & Wood materials

binderholz

Binderholz Oberrot | Baruth GmbH
Eugen-Klenk-Straße 2 - 4
74420 Oberrot

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

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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 Formaldehyd ≤ 36 µg/m^3	Indoor Air Quality Certified
Valid untill: 03 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

Criteria	Assessment
ANF2-WG1 Nachhaltige Materialgewinnung	May positively contribute to the overall building score
Verification: PEFC Zertifizierung	

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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	Quality level
ENV1.3 Responsible resource extraction	May positively contribute to the overall building score
Verification: PEFC Zertifizierung	

Criteria	Assessment
SOC1.2 Indoor air quality (*)	May positively contribute to the overall building score

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

Criteria	Assessment
1.1.7 Nachhaltige Materialgewinnung	May positively contribute to the overall building score
Verification: PEFC Zertifizierung	

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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			Not relevant for assessment
Verification: Reines Holzprodukt			

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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 SGS Institut Fresenius vom 15.02.2021 (Prüfbericht 5160889)			

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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	Emissionen: Formaldehyd, VOC, Krebserregende Stoffe	compliant
Verification: Prüfbericht des Instituts SGS Institut Fresenius vom 15.02.2021 (Prüfbericht 5160889)			

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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.



The PEFC label certifies wood and wood products from sustainably managed forests and requires, among other things, legal origin, protection of forest ecosystems, and social minimum standards in forestry. Environmental organisations consider PEFC's criteria to be less strict than those of FSC, particularly regarding the protection of sensitive forest areas. Health-related aspects of the final product are not part of the PEFC assessment.

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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

SGS TÜV SAAR

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HOLZ FORSCHUNG AUSTRIA

This certificate confirms that the procedure for the production and/or the trade of

Roundwood – Sawnwood – Profiled timber – Solid wood panels– Glued laminated products – Pellets – Briquettes – Pallets – Sawmill by-products – Laminated veneer lumber (LVL)

produced and/or traded by

Binderholz-Gruppe

requested by

Binderholz GmbH Holzindustrie
AT-6263 Fügen/Zillertal, Zillertalstraße 39

at the sites listed in the current addendum to this certificate has undergone an initial inspection, is subject to continuous inspection and complies with the requirements of the rules and standards

PEFC
PEFC/06-44-01
www.pefc.at

Chain of Custody
PEFC ST 2002:2020 Chain of Custody of Forest Based Products – Requirements
PEFC AT ST 2002:2020 Produktkettennachweis von Holzprodukten – Anforderungen
PEFC ST 2001:2020 PEFC Trademarks Rules – Requirements
PEFC AT ST 2001:2020 Richtlinie für die Verwendung der PEFC-Warenzeichen – Anforderungen
in the valid version at a time (see www.pefc.org) as long as requirements are fulfilled.

Detailed information on the scope of the certification can be found in the addendum of this certificate.

Certificate number: HFA-PEFC-COC-0211 (multi-site)
Date of first issuance: 22.06.2001
Date of issuance: 26.09.2023
Valid to: 30.06.2025

Akkreditierung Austria 0923 ISO/IEC 17065

DI (FH) Martin Wolfsbauer
Authorised Signatory

Dr. Manfred Brandstätter
Head of Certification Body

HOLZFORSCHUNG AUSTRIA - ÖSTERREICHISCHE GESELLSCHAFT FÜR HOLZFORSCHUNG ZVR 850936522
A-1030 Wien, Franz-Grill-Straße 7 Tel +43-1/798 26 23-0 Fax +43-1/798 26 23-50
hfa@holzforschung.at www.holzforschung.at

Addendum to certificate HFA-PEFC-COC-0211

Date of issuance: 26.09.2023

Scope of Multi-Site-Certification:

Product category		Product name	CoC-method
010100	Sawlogs and veneer logs	Rundholz	Physical separation method Credit method
010300	Chips and particles	Sägenebenprodukte	Physical separation method Credit method
010300	Chips and particles	Sägenebenprodukte	Physical separation method Credit method
010400	Wood residues	Sägenebenprodukte	Physical separation method Credit method
020300	Pellets and brickets	Pellets, Briketts	Physical separation method Credit method
030100	Sawnwood	Schnittholz	Physical separation method Credit method
030100	Sawnwood	Hobelwaren	Physical separation method Credit method
030100	Sawnwood	Schnittholz	Physical separation method Credit method
040100	Cross Laminated Timber (CLT)	Massivholzplatten	Physical separation method Credit method
040200	Finger Jointed Lumber	Schnittholz	Physical separation method Credit method
040300	Glue Laminated Products (Glulam)	Verklebte Holzbauprodukte	Physical separation method Credit method
040400	Laminated Veneer Lumber (LVL)	Verklebte Holzbauprodukte	Physical separation method Credit method
060101	Packaging and crates	Paletten	Physical separation method Credit method
060103	Pallets	Paletten	Physical separation method Credit method

Locations of Multi-Site-Certification:

Location		CoC-method
Binderholz GmbH Holzindustrie (Central office)	Zillertalstraße 39 6263-Fügen Austria	---
Binderholz GmbH Holzindustrie	Zillertalstraße 39 6263-Fügen Austria	Credit method
Binderholz GmbH Holzindustrie (Site)	Tiwagstraße 3 6200-Jenbach Austria	---

Binderholz GmbH Holzindustrie (Site)	Gewerbegebiet 2 5113-St. Georgen Austria	---
Binderholz Bausysteme GmbH	Solvay-Halvic-Straße 46 5400-Hallein Austria	Physical separation method
Binderholz Unternberg GmbH	Stranach 26 5585-Unternberg Austria	Credit method
Binderholz Kösching GmbH	Einsteinstraße 9 85092-Kösching / Interpark Germany	Credit method
Binderholz Burgbernheim GmbH	Rothenburger Straße 46 91593-Burgbernheim Germany	Credit method
Binderholz Oberrot | Baruth Gmbh	Eugen-Klenk-Straße 2-4 74420-Oberrot Germany	Credit method
Binderholz Oberrot | Baruth Gmbh (Site)	An der Birkenpfuhlheide 1 15837-Baruth Germany	---
Binderholz Wolfegg GmbH	Eugen-Klenk-Straße 2-4 74420-Oberrot Germany	Credit method
Binderholz Wolfegg GmbH (Site)	Grimmenstein 10 88364-Wolfegg Germany	---
Binderholz Nordic OY	Länsikatu 15 80110-Joensuu Finland	Percentage method
Binderholz Nordic OY (Site)	Kevätniementie 7 81700-Lieksa Finland	---
Binderholz Nordic OY (Site)	Sahanportti 1 75500-Nurmes Finland	---