



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

13449-10-1003

GUTEX Thermoroom

Product group: Insulation - Facade insulation - Wood fiber



GUTEX Holzfaserplattenwerk H. Henselmann
GmbH & CO. KG
Gutenberg 5
79761 Waldshut-Tiengen



Product qualities:



Köttner

Helmut Köttner
Scientific Director

Freiburg, 02 February 2026



Contents

 SHI Product Assessment 2024	1
 QNG - Qualitätssiegel Nachhaltiges Gebäude	2
 DGNB New Construction 2023	3
 DGNB New Construction 2018	4
 BNB-BN Neubau V2015	5
 EU taxonomy	6
 BREEAM DE Neubau 2018	7
Product labels	8
Legal notices	9
Technical data sheet/attachments	10

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	Insulation materials	TVOC $\leq 300 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 24 \mu\text{g}/\text{m}^3$	Indoor Air Quality Certified
Valid untill: 19 November 2026			



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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	12.4 Insulation materials made from renewable raw materials	Hazardous substances / SVHC: boron compounds / biocides	QNG ready

Verification: Naturplus Zertifikat vom 20.11.2024 / Nr. 0104-0604-012-3. Laut Natureplus Richtlinie 5001 - Chemikalienrichtlinie, Ausgabe: 22-05 vom 18. Juli 2022 sind reproduktionstoxische Stoffe (darunter Borverbindungen) verboten (Seiten 3-4).

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



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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 Siegel	

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 29.05.2025 (4th edition)	45 Insulation materials made from renewable raw materials for buildings	SVHC boron compounds / emissions	Quality level 4
Verification: Prüfbericht vom Bremer Umweltinstitut vom 12.05.2021 / Prüfbericht Nr. L 3761 FM			



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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	45 Construction products (products) equipped with biocides and flame retardants	Boron compounds	Quality level 4
Verification: Naturplus Zertifikat vom 20.11.2024 / Nr. 0104-0604-012-3. Ausschluss von Borverbindungen durch "3 Allgemeine Stoffverbotsliste" in Natureplus Richtlinie 5001 - Chemikalienrichtlinie, Ausgabe: 22-05 vom 18. Juli 2022 (Seiten 3-4).			



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13449-10-1003



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	36b Mineral and non-mineral interior insulations	VOC / biocides / hazardous substances / individual hazardous substances (formaldehyde) / halogenated blowing agents	Quality level 4

Verification: Naturplus Zertifikat vom 20.11.2024 / Nr. 0104-0604-012-3. AgBB-Schema eingehalten durch Natureplus Richtlinie 5010 Emissionsarme Bauprodukte, Ausgabe: 22-05, 26. September 2024. Ausschluss von Borverbindungen durch "3 Allgemeine Stoffverbotsliste" in Natureplus Richtlinie 5001 - Chemikalienrichtlinie, Ausgabe: 22-05 vom 18. Juli 2022 (Seiten 3-4).

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



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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	Internal insulation	Substances according to Annex C, formaldehyde, carcinogenic VOCs category 1A/1B	EU taxonomy compliant
Verification: Naturplus Zertifikat vom 20.11.2024 / Nr. 0104-0604-012-3. AgBB-Schema eingehalten durch Natureplus Richtlinie 5010 Emissionsarme Bauprodukte, Ausgabe: 22-05, 26. September 2024. "3 Allgemeine Stoffverbotsliste" in Natureplus Richtlinie 5001 - Chemikalienrichtlinie, Ausgabe: 22-05 vom 18. Juli 2022 (Seiten 3-4).			



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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, carcinogens	Normal quality
Verification: Prüfbericht vom Bremer Umweltinstitut vom 12.05.2021 / Prüfbericht Nr. L 3761 FM			



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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.



The German natureplus label is awarded to construction products that consist predominantly of renewable or mineral raw materials. The stringent test criteria, developed and supervised by an independent expert commission, include sustainable and socially responsible production, a quality-assured and healthy building and usage phase, as well as environmentally sound disposal.



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%BCfverfahren/Pr%C3%BCfverfahren%20f%C3%BCr%20Produkte>

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Publisher

Sentinel Holding Institut GmbH
Bötzingen Str. 38
79111 Freiburg im Breisgau
Germany
Tel.: +49 761 590 481-70
info@sentinel-holding.eu
www.sentinel-holding.eu

Technisches Datenblatt

GUTEX THERMOROOM



GUTEX Thermoroom ist die Holzfaserdämmplatte für die Innendämmung von Außenwänden.

Inhaltsstoffe

- Unbehandeltes Tannen- und Fichtenholz
- 4,0 % PUR-Harz

Entsorgung

- Altholzkategorie: A2
- Abfallschlüsselnummern nach AVV
030105, 170201

Anwendungsgebiete nach DIN 4108-10:2021-11

- DI-zg, WI-zg

Dicke [mm]	20	40 – 100
Rohdichte ρ [kg/m ³]	~ 150	~ 130
Nennwert Wärmeleitfähigkeit λ_D [W/mK]	0,040	0,039
Bemessungswert Wärmeleitfähigkeit λ_B [W/mK]	0,042	0,041
Dampfdiffusion μ	3	
Druckspannung/-festigkeit [kPa]	≥ 50	
Zugfestigkeit senkrecht zur Plattenebene [kPa]	≥ 7,5	
Strömungswiderstand [kPa s/m ²]	≥ 100	
Spezifische Wärmekapazität [J/kgK]	2100	
Brandverhalten Euroklasse nach DIN EN 13501-1	E	
Produktnorm	DIN EN 13171	
Plattenkennzeichnung	WF-EN13171-T4-CS(10/Y)50- TR7,5-MU3-AF,100	

Technisches Datenblatt

GUTEX THERMOROOM

Kantenausbildung	Stumpf		
Dicke [mm]	20	40	50
Länge × Breite [mm × mm]	1200 × 500		
m ² /Stück	0,60		
Gewicht pro Platte [kg]	1,80	3,10	3,90
Gewicht pro m ² [kg]	3,00	5,20	6,50
Stück/Palette	96	48	36
Quadratmeter pro Palette [m ²]	57,60	28,80	21,60
Gewicht pro Palette [kg]	200	180	170
Nennwert Wärmedurchlasswiderstand R _D [m ² K/W]	0,50	1,00	1,25
Wärmedurchlasswiderstand R [m ² K/W]	0,45	0,95	1,20
sd-Wert [m]	0,06	0,12	0,15

Kantenausbildung	Stumpf		
Dicke [mm]	60	80	100
Länge × Breite [mm × mm]	1200 × 500		
m ² /Stück	0,60		
Gewicht pro Platte [kg]	4,70	6,20	7,80
Gewicht pro m ² [kg]	7,80	10,40	13,00
Stück/Palette	30	24	18
Quadratmeter pro Palette [m ²]	18,00	14,40	10,80
Gewicht pro Palette [kg]	170	180	170
Nennwert Wärmedurchlasswiderstand R _D [m ² K/W]	1,50	2,05	2,55
Wärmedurchlasswiderstand R [m ² K/W]	1,45	1,95	2,40
sd-Wert [m]	0,18	0,24	0,30



Produktinformationen

GUTEX THERMOROOM

Anwendungsgebiete

- Innendämmung von Außenwänden
- Dämmung unter den Sparren zum Verputzen

Vorzüge

- Optimale Wärmedämmung
- Hervorragende Wärmespeicherkapazität → sommerlicher Hitze- und winterlicher Kälteschutz
- Hoher Schallschutz
- Feuchteregulierend
- Dampfdiffusionsoffen
- Einfach zu verarbeiten
- Nachhaltiger Rohstoff Holz → recyclefähig
- Hergestellt in Deutschland (Schwarzwald)
- Baubiologisch unbedenklich (natureplus® zertifiziert)

Verlegehinweise

- Gesetzliche Vorgaben zum Umgang mit Holzstaub sind zu beachten
- Detaillierte und ausführliche Verlegehinweise über Plattenmontage, Befestigungen und Putzauftrag siehe GUTEX Broschüre „Intevio – Verarbeitungshinweise“.

Made in Germany.
Ökologische Holzfaserdämmung für Neubau und Sanierung



DACH



FASSADE



AUSBAU



GUTEX Holzfaserplattenwerk H. Henselmann GmbH + Co. KG
Gutenberg 5, 79761 Waldshut-Tiengen, Telefon +49 7741 6099-0, info@gutex.de, www.gutex.de



Stand 2024-06-04- Es gilt die aktuelle Auflage. Änderungen vorbehalten.



Internationaler Verein für zukunftsfähiges
Bauen und Wohnen e.V.

CERTIFICATE

for the award of the quality label

ZERTIFIKAT

über die Vergabe des Qualitätszeichens

CERTIFICAT

pour l'attribution du label de qualité

Approved products
Geprüfte Produkte
Produits testés

**GUTEX Thermoinstal, GUTEX Thermoroom, GUTEX Thermosafe-nf,
GUTEX Thermosafe-wd**

Licensee
Lizenznehmer
Licencié

Gutex Holzfaserplattenwerk H. Henselmann GmbH + Co. KG
Gutenberg 5
79761 Waldshut-Tiengen
Deutschland

Type of product
Produktart
Type de produit

Insulating wood-fiber-boards
Holzfaserdämmplatten
Panneaux isolantes thermiques en fibre de bois

Certificate number
Zertifikatsnummer
Numéro de certificat

0104-0604-012-3

Scope of assessment
Prüfumfang
Étendue du test

CLIMATE PROTECTION
KLIMASCHUTZ
PROTECTION DU CLIMAT

HEALTHY LIVING
WOHNGESUNDHEIT
SANTÉ DE L'HABITAT

RESOURCE CONSERVATION
RESSOURCENSCHONUNG
PRÉSERVATION DES RESSOURCES

Product data
Produktdaten
Données sur le produit



Further information on the product, scope of testing and label recognition.
Weitere Informationen zu Produkt, Prüfumfang und Labelanerkennung.
Plus d'informations sur le produit, l'étendue du contrôle et la reconnaissance du label.
<https://natureplus-label.org/cert?id=0104-0604-012-3>

Validity of the certificate
Gültigkeit des Zertifikats
Validité du certificat

12/2025

Neckargemünd, 2024-11-20

Tilmann Kramolisch
natureplus e.V.
Lizenzvergabe | Licensing | Licences

Felix Konrad
natureplus Institute SCE mbH
Prüfinstitut | Test Institute | Institut de contrôle



PEFC International database extract

This extract has been generated on 03.03.2025

Verification link: <https://pefc.org/find-certified/details?cbResetParam=1&EID=E-YW6YRY&CID=C-KXE3Z2&LID=L-LQ1R99>

GUTEX Holzfaserplattenwerk H. Henselmann GmbH + Co KG

Gutenberg 5
Waldshut-Tiengen
Germany
VAT n°:
<https://gutex.de>

Certificate

N°: IMO-PEFC-COC-022066
Subcertificate N°:
Type: COC - Multisite
Status: Valid
Validity end: 03.02.2028

Issued by

Ecocert Swiss AG
Hafenstrasse 50c
CH-8280 Kreuzlingen
Switzerland
office.switzerland@ecocert.com
+41716260626
<http://www.ecocert-imo.ch>

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N°: PEFC/04-34-0006
Sublicence N°:
Type: C - Forest related industries
Status: Valid

Issued by

PEFC Germany
Tübinger Straße 15
70178 Stuttgart
Germany
info@pefc.de
+497112484006
<https://www.pefc.de/>

Due to the ongoing military invasion and humanitarian crisis in Ukraine, the Board of PEFC International clarified on March 4 2022 that all timber originating from Russia and Belarus is 'conflict timber' and therefore cannot currently be used in PEFC-certified products. For more information, see: <https://pefc.org/conflict-timber-faq>

Scope

ID	Category	CoC method(s)
P-3PGE7V	• 050000 - Wood based panels • 050600 - Fibreboard • 050603 - Softboard and insulating board	• Credit method