



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

13449-10-1005

GUTEX Thermowall

Product group: Insulation - Wood fiber insulation - External Thermal Insulation Composite System (ETICS)



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



Product qualities:



Köttner

Helmut Köttner
Scientific Director

Freiburg, 02 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.

Interior use

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			

Exterior use

Criteria	Product category	Assessment
SHI Product Assessment	Outdoor product	Not relevant for assessment



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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.

Interior use

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 06.11.2024 / Nr. 0104-0604-012-2. 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	

Exterior use

Criteria	Pos. / product group	Considered substances	QNG assessment
3.1.3 Schadstoffvermeidung in Baumaterialien	not applicable	not applicable	QNG ready - Not relevant for assessment

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: Emissionsprüfbericht Bremer Umweltinstitut Nr: L 3761 FM vom 12.05.2021			



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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 06.11.2024 / Nr. 0104-0604-012-2. 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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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).

Interior use

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 06.11.2024 / Nr. 0104-0604-012-2. 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) und Emissionsprüfbericht Bremer Umweltinstitut Nr: L 3761 FM vom 12.05.2021

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

Exterior use

Criteria	Pos. / product type	Considered substance group	Quality level
1.1.6 Risiken für die lokale Umwelt	36a Mineral and non-mineral external wall insulations (external wall paints see Position 6, plasters see Position 35)	Biocides / hazardous substances / halogenated blowing agents	Quality level 3

Verification: Naturplus Zertifikat vom 06.11.2024 / Nr. 0104-0604-012-2. 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).



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.

Interior use

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 06.11.2024 / Nr. 0104-0604-012-2. 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).			

Exterior use

Criteria	Product type	Considered substances	Assessment
DNSH - Pollution prevention and control		Substances according to Annex C	EU taxonomy compliant
Verification: Naturplus Zertifikat vom 06.11.2024 / Nr. 0104-0604-012-2. 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.

Interior use

Criteria	Product category	Considered substances	Quality level
Hea 02 Indoor Air Quality	Ceiling, wall, and acoustic and thermal insulation materials	Emissions: Formaldehyde, TVOC, carcinogens	Normal quality
Verification: Prüfbericht vom Bremer Umweltinstitut vom 12.05.2021 / Prüfbericht Nr. L 3761 FM			

Exterior use

Criteria	Product category	Considered substances	Quality level
Hea 02 Indoor Air Quality			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.



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.



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

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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 Dämmplatte DW, GUTEX Dämmplatte DW+, GUTEX Multiplex-top,
GUTEX Multitherm, GUTEX Prefatop, GUTEX Thermoflat, GUTEX
Thermosafe-homogen, GUTEX Thermowall, GUTEX Thermowall-5in1,
GUTEX Thermowall Durio, GUTEX Thermowall-gf, GUTEX Thermowall-L,
GUTEX Thermowall NF, GUTEX Ultratherm

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

0104-0604-012-2

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=0104-0604-012-2>

Validity of the certificate

Gültigkeit des Zertifikats

Validité du certificat

12/2025

Neckargemünd, 2024-11-06

Tilmann Kramolisch

natureplus e.V.

Lizenzvergabe | Licensing | Licences

Felix Konrad

natureplus Institute SCE mbH

Prüfinstitut | Test Institute | Institut de contrôle

Technisches Datenblatt

Gutex Thermowall



Gutex Thermowall ist die verputzbare Dämmplatte mit energieeffizienter Wärmeleitfähigkeit für das ökologische Thermowall WDVŚ.

Inhaltsstoffe

- Unbehandeltes Tannen- und Fichtenholz
- 4,0 % PUR-Harz
- 1,5 % Paraffin

Entsorgung

- Altholzkategorie: A2
- Abfallschlüsselnummern nach AVV
030105, 170201

Anwendungsgebiete nach DIN 4108-10

- DI-zg, DEO-ds, WAP-zh, WAB-ds, WH

Rohdichte ρ [kg/m ³]	~ 160
Nennwert Wärmeleitfähigkeit λ_D [W/mK]	0,040
Bemessungswert Wärmeleitfähigkeit λ_B [W/mK]	0,042
Dampfdiffusion μ	4
Druckspannung/-festigkeit [kPa]	≥ 100
Zugfestigkeit senkrecht zur Plattenebene [kPa]	≥ 10
Kurzzeitige Wasseraufnahme [kg/m ²]	≤ 1
Strömungswiderstand [kPa s/m ²]	≥ 100
Spezifische Wärmekapazität [J/kgK]	2100
Maximale Einsatztemperatur [°C]	110
Brandverhalten Euroklasse nach DIN EN 13501-1	E
Produktnorm	DIN EN 13171
Zulassungsnummer	Z-33.47-660 Z-33.43-942 ETA-10/0287 ETA-10/0288
Plattenkennzeichnung	WF-EN13171-T5-WS1,0- DS(70,-)3-CS(10/Y)100-TR10- MU4-AF,100



Technisches Datenblatt

Gutex Thermowall

Kantenausbildung	Nut + Feder				
Dicke [mm]	80	100	120	140	160
Länge × Breite [mm × mm]	1300 × 600				
Deckmaß: Länge × Breite [mm × mm]	1275 × 575			1280 × 580	
Deckmaß: Quadratmeter pro Platte [m²]	0,73			0,74	
m²/Stück	0,78				
Gewicht pro Platte [kg]	10,00	12,50	15,00	17,50	20,00
Gewicht pro m² [kg]	12,80	16,00	19,20	22,40	25,60
Stück/Palette	56	44	36	32	28
Quadratmeter pro Palette [m²]	43,68	34,32	28,08	24,96	21,84
Gewicht pro Palette [kg]	560				
Nennwert Wärmedurchlasswiderstand R _D [m²K/W]	2,00	2,50	3,00	3,50	4,00
Wärmedurchlasswiderstand R [m²K/W]	1,90	2,35	2,85	3,30	3,80
sd-Wert [m]	0,32	0,40	0,48	0,56	0,64

Kantenausbildung	Stumpf			
Dicke [mm]	100	120	140	160
Länge × Breite [mm × mm]	830 × 600			
m²/Stück	0,49			
Gewicht pro Platte [kg]	8,00	9,60	11,20	12,70
Gewicht pro m² [kg]	16,00	19,20	22,40	25,60
Stück/Palette	40	32	28	24
Quadratmeter pro Palette [m²]	19,92	15,94	13,94	11,95
Gewicht pro Palette [kg]	310	320		
Nennwert Wärmedurchlasswiderstand R_D [m²K/W]	2,50	3,00	3,50	4,00
Wärmedurchlasswiderstand R [m²K/W]	2,35	2,85	3,30	3,80
sd-Wert [m]	0,40	0,48	0,56	0,64

Technisches Datenblatt

Gutex Thermowall

Kantenausbildung	Stumpf			
Dicke [mm]	20	40	60	80
Länge × Breite [mm × mm]	1250 × 590			
m ² /Stück	0,73			
Gewicht pro Platte [kg]	2,40	4,70	7,10	9,40
Gewicht pro m ² [kg]	3,20	6,40	9,60	12,80
Stück/Palette	224	112	70	56
Quadratmeter pro Palette [m ²]	165,20	82,60	51,63	41,30
Gewicht pro Palette [kg]	590	510	480	490
Nennwert Wärmedurchlasswiderstand R _D [m ² K/W]	0,50	1,00	1,50	2,00
Wärmedurchlasswiderstand R [m ² K/W]	0,45	0,95	1,40	1,90
sd-Wert [m]	0,08	0,16	0,24	0,32

Kantenausbildung	Stumpf					
Dicke [mm]	80	100	120	80	100	120
Länge × Breite [mm × mm]	2600 × 1250			2800 × 1250		
m ² /Stück	3,25			3,50		
Gewicht pro Platte [kg]	41,60	52,00	62,40	44,80	56,00	67,20
Gewicht pro m ² [kg]	12,80	16,00	19,20	12,80	16,00	19,20
Stück/Palette	12	9	8	12	9	8
Quadratmeter pro Palette [m ²]	39,00	29,25	26,00	42,00	31,50	28,00
Gewicht pro Palette [kg]	520			560		
Nennwert Wärmedurchlasswiderstand R _D [m ² K/W]	2,00	2,50	3,00	2,00	2,50	3,00
Wärmedurchlasswiderstand R [m ² K/W]	1,90	2,35	2,85	1,90	2,35	2,85
sd-Wert [m]	0,32	0,40	0,48	0,32	0,40	0,48

Technisches Datenblatt

Gutex Thermowall Laibungsplatte

Kantenausbildung	Stumpf		
Dicke [mm]	20	30	40
Länge × Breite [mm × mm]	1200 × 400		
m ² /Stück	0,48		
Gewicht pro Platte [kg]	1,50	2,30	3,10
m ² /Paket	6,72	5,76	3,36
Stück/Paket	14	12	7
Stück/Palette	112	72	56
Quadratmeter pro Palette [m ²]	53,76	34,56	26,88
Gewicht pro Palette [kg]	172	166	172
Nennwert Wärmedurchlasswiderstand R _D [m ² K/W]	0,50	0,75	1,00
Wärmedurchlasswiderstand R [m ² K/W]	0,45	0,70	0,95
sd-Wert [m]	0,08	0,12	0,16



Produktinformationen

Gutex Thermowall

Anwendungsgebiete

- Putzträgerplatte für das Thermowall WDVS für Holz- und Massivbauweise ohne Hinterlüftung

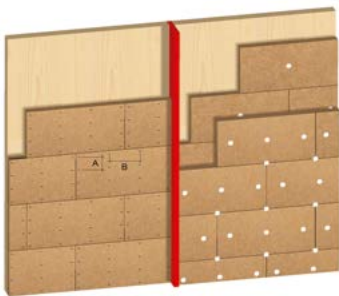
Vorzüge

- Hohe Schalldämmung
- Stoßsicher
- Hervorragende Wärmespeicherkapazität → sommerlicher Hitze- und winterlicher Kälteschutz
- Dampfdiffusionsoffen
- Nachhaltiger Rohstoff Holz → recyclefähig
- Hergestellt in Deutschland (Schwarzwald)
- Baubiologisch unbedenklich (natureplus® zertifiziert)

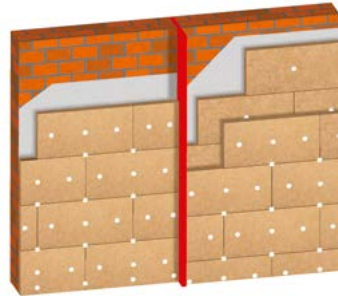
Verlegehinweise

- Detaillierte und ausführliche Verlegehinweise über Plattenmontage, Befestigungen und Putzauftrag siehe Broschüre „Thermowall WDVS Das ökologische Wärmedämmverbundsystem“.
- Gesetzliche Vorgaben zum Umgang mit Holzstaub sind zu beachten

Montage auf Massivholz- oder mineralischen Untergründen

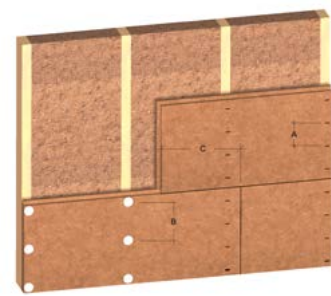


vollflächiger Holzuntergrund



Massivbauweise

Montage im Holzrahmenbau



Holzständerbauweise

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 2025-01-28: Es gilt die aktuelle Auflage, Änderungen vorbehalten.



PEFC International database extract

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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

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

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<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