



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14900-10-1006

EQtherm Zusatzdämmung EPS

Product group: Screed & floor insulation - EPS - EPS



EQtherm GmbH
Am Kohlenweg 6
56307 Dürrholz-Daufenbach



Product qualities:












Köttner

Helmut Köttner
Scientific Director
Freiburg, 29 June 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	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: 16 December 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	12.1 Rigid plastic foam insulation boards and spray foams	Halogenated propellants / SVHC: HBCD, TCEP / emissions	QNG ready

Verification: Sicherheitsdatenblatt Stand März 2025; Herstellererklärung vom 16.01.2025



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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	36b Mineral and non-mineral interior insulations	VOC / biocides / hazardous substances / individual hazardous substances (formaldehyde) / halogenated blowing agents	Quality level 3
Verification: Sicherheitsdatenblatt Stand März 2025; Herstellererklärung vom 16.01.2025			



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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	compliant

Verification: Sicherheitsdatenblatt Stand März 2025; Herstellererklärung vom 16.01.2025.
Prüfbericht eco-Institut Nr. 60433-A001-L vom 16.12.2025.



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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	Ceiling, wall, and acoustic and thermal insulation materials	Emissions: Formaldehyde, TVOC, TSVOC, carcinogens	Exemplary quality

Verification: Prüfbericht eco-Institut Nr. 60433-A001-L vom 16.12.2025.



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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	Dämmstoffe	Emissionen: Formaldehyd, VOC, Krebserregende Stoffe	compliant

Verification: Prüfbericht eco-Institut Nr. 60433-A001-L vom 16.12.2025.



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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.



This product comes with an SHI Product Passport. This innovative tool is unique in bringing together all product qualities in a single document and includes all necessary evaluations and evidence sources for the requirements according to SHI, DGNB, QNG, EU Taxonomy, BNB, and BREEAM.



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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>

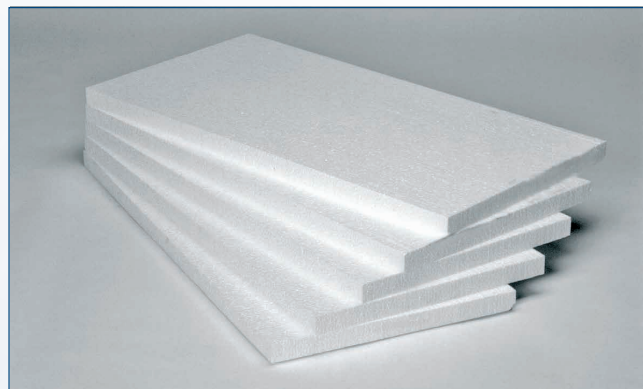
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Bodendämmplatte EPS 035 DEO dm



Druckbelastbare Bodendämmplatte aus EPS-Hartschaum gemäß DIN EN 13163 zum Einsatz zur Dämmung im Fußboden unter Estrich, ohne Trittschallanforderung.

	Eigenschaften				geltende Norm, Grundlage		
Qualitätstyp	EPS-Bodendämmplatte DEO dm 035				IVH-Qualitätsrichtlinie Zertifizierungsvertrag		
Anwendungstyp	Decke		DEO dm		DIN 4108-10		
Brandverhalten	Baustoffklasse		B1 - schwerentflammbar		DIN 4102-1:1998-05 DIN 4202-16:2021-01		
	Euroklasse		E		DIN EN 13501-1		
Ausgangsstoff (Rohstoff)	Flammschutz		Polymer-FR				
Wärmeleitfähigkeit	Bemessungswert		λ_B ; 0,034 W/(mK)		DIN 4108-4		
	Nennwert		λ_D ; 0,033 W/(mK)				
Dimensionen	Grenzabmaß für die Dicke		T(2); ± 2 mm		EN 13163:2012 + A1: 2015		
	Grenzabmaß für die Länge		L(3); ± 3 mm				
	Grenzabmaß für die Breite		W(3); ± 3 mm				
Rechtwinkligkeit in Längen- und Breitenrichtung	Grenzabmaß für die Rechtwinkligkeit		S(5); ± 5mm/m				
Ebenheit	Grenzabmaß für die Ebenheit		P(10); ± 10 mm				
Biegefestigkeit	Biegefestigkeit		BS150; ≥ 150 kPa				
Druckfestigkeit	Druckspannung		CS(10)100; ≥ 100 kPa				
Langzeitiges Verhalten unter Druckbeanspruchung	maximale permanente Druckspannung für eine Stauchung von 2% und weniger nach 50 Jahren		≤ 30 kPa entsprechend ≤ 3.000 kg/m ²				
Dimensionsstabilität	Dimensionsstabilität im Normklima		DS(5); ± 0,5 %				
	Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen		DS(70)3; ± 3 %				
Verformung	Verformung bei festgelegter Druck- und Temperaturbeanspruchung		DLT(1)5; < 5 %				
Wasserdampf-, Diffusionswiderstandszahl	μ-Wert		30 bis 70				
Verhalten	Chemisch und biologisch neutral; FCKW-, HFCKW- und HFKW-frei						
CE-Schlüssel	EPS-EN 13163-T(2)-L(3)-W(3)-S(5)-P(10)-DS(70,-)3-BS150-CS(10)100-DS(N)5-DLT(1)5						
Entsorgung	Abfallschlüsselnummer 170602 gemäß europäischen Abfallkatalogs (EAK) gültig für sortenreines Material, stoffliche oder thermische Verwertung möglich						
Dicken	mm	20	30	40	50	60	70
R-Wert*	(m ² K)/W	0,571	0,857	1,143	1,429	1,714	2,00