SENTINEL HOLDING
INSTITUT

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® FLÄCHENHEIZUNGEN

EQtherm GmbH
Am Kohlenweg 6
56307 Dürrholz-Daufenbach

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

SENTINEL HOLDING
INSTITUT

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

Contents

SHI Product Assessment 2024	1
QNG - Qualitätssiegel Nachhaltiges Gebäude	2
DGNB New Construction 2023.2	3
DGNB New Construction 2023	4
DGNB New Construction 2018	5
BNB-BN Neubau V2015	6
EU taxonomy	7
BREEAM DE Neubau 2018	8
LEED v4.1	9
Product labels	10
Legal notices	11
Technical data sheet/attachments	12

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

SENTINEL HOLDING
INSTITUT

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

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 ≤ 300 µg/m^3 Formaldehyd ≤ 24 µg/m^3	Indoor Air Quality Certified
Valid untill: 16 December 2027			

SENTINEL HOLDING
INSTITUT

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

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			

SENTINEL HOLDING
INSTITUT

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

EQtherm® FLÄCHENHEIZUNGEN

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

SENTINEL HOLDING
INSTITUT

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

EQtherm® FLÄCHENHEIZUNGEN

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

SENTINEL HOLDING
INSTITUT

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

EQtherm® FLÄCHENHEIZUNGEN

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

SENTINEL HOLDING
INSTITUT

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

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			

SENTINEL HOLDING
INSTITUT

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

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	Stoffe nach Anlage C, Formaldehyd, Karzinogene VOC Kategorie 1A/1B	compliant
Verification: Sicherheitsdatenblatt Stand März 2025; Herstellererklärung vom 16.01.2025. Prüfbericht eco-Institut Nr. 60433-A001-L vom 16.12.2025.			

SENTINEL HOLDING
INSTITUT

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

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.			

SENTINEL HOLDING
INSTITUT

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

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.			

SENTINEL HOLDING
INSTITUT

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

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.

Produktsie

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.

Product:
EQtherm Zusatzdämmung EPS

SHI Product Passport no.:
14900-10-1006

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

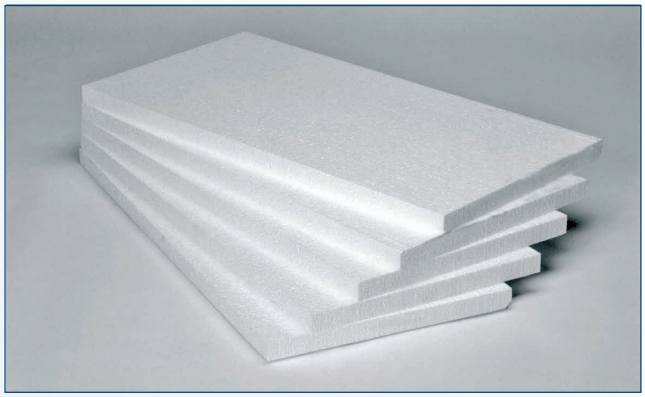
The SHI Database is the first and only database for construction products whose comprehensive processes and data accuracy are regularly verified by the independent auditing company SGS-TÜV Saar

Publisher

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

PRODUKTDATENBLATT

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)	EN 13163:2012 + A1: 2015
Dimensionen	Grenzabmaß für die Dicke	T(2); ± 2 mm	
	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/m²	
Dimensionsstabilität	Dimensionsstabilität im Normalklima	DS(5); ± 0,5 %	
	Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen	DS(70)3; ± 3 %	
Verformung	Verformung bei festgelegter Druck-und Temperatur-beanspruchung	DLT(1)5; < 5 %	
Wasserdampf-, Diffusions-widerstandszahl	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*	(m²K)/W	0,571	0,857	1,143	1,429	1,714	2,00

EQtherm GmbH • Am Kohlenweg 6 • 56307 Dürrholz-Daufenbach • Deutschland/Germany
Telefon: +49 2684 95632-0 • Fax:+49 2684 95632-10 • info@eqtherm.de
www.eqtherm.de

Stand 03-2026