SENTINEL HOLDING
INSTITUT

SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14900-10-1003

EQ Decken-/Wandmodul LIGHT

Product group: Surface heating systems - Heating

EQtherm® FLÄCHENHEIZUNGEN

EQtherm GmbH
Am Kohlenweg 6
56307 Dürrholz-Daufenbach

Product qualities:

- 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

SGS TÜV SAAR

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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

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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 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	36b Mineral and non-mineral interior insulations	VOC / biocides / hazardous substances / individual hazardous substances (formaldehyde) / halogenated blowing agents	Quality level 4
Verification: Herstellererklärung vom 02.07.2025. Prüfbericht 24-5279-001 des IBR Institut für Baubiologie Rosenheim GmbH vom 13.12.2024			

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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	Stoffe nach Anlage C, Formaldehyd, Karzinogene VOC Kategorie 1A/1B	compliant
Verification: Herstellererklärung vom 02.07.2025. Prüfbericht 24-5279-001 des IBR Institut für Baubiologie Rosenheim GmbH vom 13.12.2024			

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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 24-5279-001 des IBR Institut für Baubiologie Rosenheim GmbH vom 13.12.2024			

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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	Wand- und Deckenelemente	Emissionen: Formaldehyd, VOC, Krebserregende Stoffe	compliant
Verification: Prüfbericht 24-5279-001 des IBR Institut für Baubiologie Rosenheim GmbH vom 13.12.2024			

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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.

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.

Product:
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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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TECHNISCHES DATENBLATT

EQ Deckenheizung/-kühlung: Trockenbausystem mit EQ Decken-/Wandmodul LIGHT

Die Alternative zur Sanierung mit Fußbodenheiz- und Kühlsystemen: Innovative EQ Deckenheizung/-kühlung mit nachhaltigem Trockenbauelement **EQ Decken- und Wandmodul LIGHT**, bestehend aus Recyclingpapier und fest integrierten Aluminium-Wärmeleitblechen zur Aufnahme des EQtec 5 HIGH SECURITY Premium-rohrs.

Vorteile auf einen Blick:

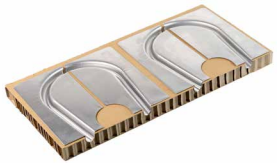
- Ökologisch heizen/kühlen: Rohstoffschonende Altpapierplatte mit Alu-Kaschierung zur effizienten Wärmeverteilung oder Deckenkühlung
- Niedrig, leicht, stabil: Idealer Aufbau für Decken und Wände
- Vollflächig, schnell verlegt: Einfaches Zuschneiden mit Cuttermesser, Aufbau mit Trockenbauprofilen oder Zwischenlattung
- Renovieren, ohne ausziehen zu müssen (bspw. Badsanierung, Einbau Zusatzheizung)



EQ Decken-/Wandmodul LIGHT
Alu-Mittelelement (VA = 125 mm)
1.000 x 500 x 30 mm (L x B x H)



EQ Decken-/Wandmodul LIGHT
Füllelement, ohne Wärmeleitblech
1.000 x 500 x 30 mm (L x B x H)



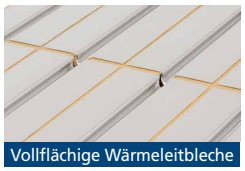
EQ Decken-/Wandmodul LIGHT
Alu-Umlenkelement (2 Bögen – geteilt)
250 x 500 x 30 mm (L x B x H)



Elemente aus Pappwaben



Omega-Form der Rohrkanäle



Vollflächige Wärmeleitbleche

Material	Grundplatte	Pappwabenplatte
	Wärmeleitblech	Aluminium, mit Rohrführungen (Omega-Form), gebördelt

Daten	Wärmeleitfähigkeit	0,094 W/mK
	Wärmeleitwiderstand	0,32 m² K/W* | 0,29 m² K/W* (VA = 125 mm) *Messwert nach DIN EN 12664: 2001– 05
	Brandverhalten	Euroklasse E nach DIN EN 13501-1 | In Verbindung mit Aluminium-Klebeband
	Rohrdurchmesser	ø 16 mm
	Verlegeabstand	125 mm
	Lagerung	18 – 25° C; 40 – 55 % relative Luftfeuchte; im Stapel liegend, vor jeglicher Feuchtigkeit und Wärmequellen geschützt
	Entsorgung	Nach dem Entfernen der Wärmeleitbleche kann die Trägerplatte entsprechend der Vorgaben des ansässigen Entsorgungsfachbetriebs analog zu Papier, Karton und Pappe entsorgt werden

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Stand 01-2025

Werte für die Zukunft

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02.07.2025

Herstellererklärung EQ Decken-/Wandmodul LIGHT

Sehr geehrte Frau Szczyglowski,

hiermit wird bestätigt, dass das System EQ Decken-/Wandmodul LIGHT keine reproduktionsbiologisch toxischen Borverbindungen bzw. gefährliche Substanzen nach REACh (1907/2006 EU) in letztgültiger Fassung, keine CMR Stoffe und keine chemischen Schutzmittel erhalten.

Mit freundlichen Grüßen

Johannes Dornhof
Technischer Leiter Fußbodenheizung