



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14900-10-1004

EQ POR Klimamodul

Product group: Heating - Surface heating systems



EQtherm GmbH
Am Kohlenweg 6
56307 Dürrholz-Daufenbach



Product qualities:



Köttner

Helmut Köttner
Scientific Director

Freiburg, 02 February 2026



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Contents

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

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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: Herstellererklärung vom 02.07.2025 | | | |



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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: Prüfbericht des Instituts IUL Vorpommern Nr. 24-3538-001 vom 15.10.2024. Herstellereklärung vom 02.07.2025 | | | |



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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 | EU taxonomy compliant |

Verification: Prüfbericht des Instituts IUL Vorpommern Nr. 24-3538-001 vom 15.10.2024. Herstellererklärung vom 02.07.2025



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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 des Instituts IUL Vorpommern Nr. 24-3538-001 vom 15.10.2024. Herstellereklärung vom 02.07.2025 | | | |



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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.



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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EQ POR Klimamodul 20-16, EPS 032 DEO dh

Art.-Nr.: 203090-93

Formgeschäumtes Trockenbau-Rohrträgerelement als Umlenk- oder Mittelelement aus expandiertem Polystyrol (POR), oberseitig zur optimalen Wärmeverteilung mit fest integrierten Wärmeleitblechen aus Aluminium mit Omega-Nuten und Sicherheitsbördelung, mit definierten Verlegeabständen zur Aufnahme der EQ PROtec 5 HS Rohre \varnothing 16 mm, zur Verlegung auf tragfähigen, verwindungs- und durchbiegungsfreien, planebenen Untergründen mit erhöhten Anforderungen gem. DIN 18202 Tab 3, Zeile 4, für die Aufnahme von geeigneten Trockenestrichsystemen, dünn-schichtigen Vergussmassen gemäß Herstellerangaben und Zement- oder Anhydritestrichen gemäß DIN 18560.

| | |
|---|---|
| Wärmeleitfähigkeit | $\lambda = 0,032 \text{ W} / (\text{m} \cdot \text{K})$ |
| Wärmedurchlasswiderstand | $R = 0,625 \text{ m}^2 \text{ K/W}$ |
| Druckspannung (DIN EN 826) | $\geq 240 \text{ kPa}$ |
| Brandverhalten | Euroklasse E nach DIN EN 13501-1 |
| Max. Nutzlast | $gK \leq 4 \text{ kPa}^*$ |
| Max. Punktlast | $QK \leq 3 \text{ kPa}^*$ |
| Verlegeabstände | 125 oder 250 mm |
| Rohrdurchmesser | 16 mm |
| Anz. 180° Umlenkungen/Element | 125 mm = 8-fach / 250 mm = 4-fach |
| Abmessung Element (L x B x H) | 1000 x 500 x 20 mm |
| Verpackung | 15 St / VE |
| Gewicht inkl. Rohr und Füllmedium ohne Estrich und Belag | ca. 4 kg/m ² |

*Angaben der Trockenestrichhersteller beachten



Werte für die Zukunft



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02.07.2025

Herstellereklärung EQ POR Klimamodul

Sehr geehrte Frau Szczyglowski,

hiermit wird bestätigt, dass das System EQ POR Klimamodul 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

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