



# SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

**14900-10-1005**

## EQ ÖKO ST 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



Product:

**EQ ÖKO ST Klimamodul**

SHI Product Passport no.:

**14900-10-1005**



## 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

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





Product:

**EQ ÖKO ST Klimamodul**

SHI Product Passport no.:

**14900-10-1005**



## 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	12.4 Insulation materials made from renewable raw materials	Hazardous substances / SVHC: boron compounds / biocides	QNG ready
<b>Verification:</b> Herstellererklärung vom 02.07.2025			



Product:

**EQ ÖKO ST Klimamodul**

SHI Product Passport no.:

**14900-10-1005**



## **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



Product:

**EQ ÖKO ST Klimamodul**

SHI Product Passport no.:

**14900-10-1005**



## 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



Product:

**EQ ÖKO ST Klimamodul**

SHI Product Passport no.:

**14900-10-1005**



## **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
<b>Verification:</b> Herstellererklärung vom 02.07.2025. Prüfbericht des Instituts Institut für Baubiologie Rosenheim GmbH vom 19.06.2023 (Nr. 3023 - 1349)			



Product:

**EQ ÖKO ST Klimamodul**

SHI Product Passport no.:

**14900-10-1005**



## 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
<b>Verification:</b> Herstellererklärung vom 02.07.2025. Prüfbericht des Instituts Institut für Baubiologie Rosenheim GmbH vom 19.06.2023 (Nr. 3023 – 1349)			



Product:

**EQ ÖKO ST Klimamodul**

SHI Product Passport no.:

**14900-10-1005**



## 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, carcinogens	Normal quality
<b>Verification:</b> Prüfbericht des Instituts Institut für Baubiologie Rosenheim GmbH vom 19.06.2023 (Nr. 3023 – 1349)			



Product:

**EQ ÖKO ST Klimamodul**

SHI Product Passport no.:

**14900-10-1005**



## 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:

**EQ ÖKO ST Klimamodul**

SHI Product Passport no.:

**14900-10-1005**



## 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>

---

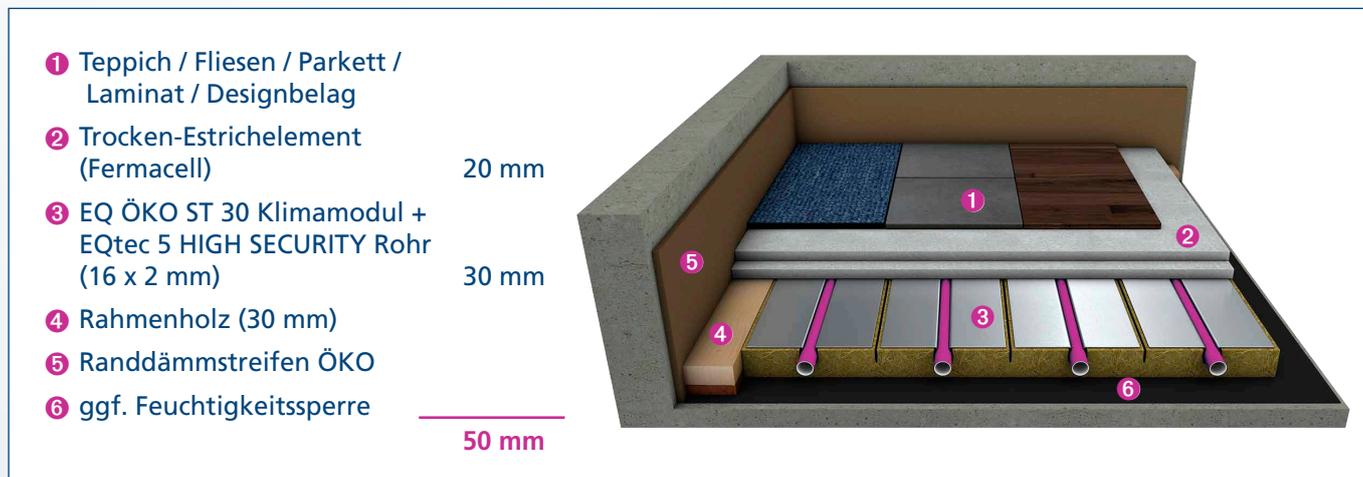
The SHI Database is the first and only database for construction products whose comprehensive processes and data accuracy are regularly verified by the independent auditing company SGS-TÜV Saar



### Publisher

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

# EQ ÖKO ST 30 Klimamodul



<b>Material</b>	Grundplatte	Strohdämmung 150 kPa; produziert und überwacht nach EN 13171
	Wärmeleitblech	Aluminium, mit Rohrführungen (Omega-Form), gebördelt
<b>Gewicht ohne Bodenbelag:</b>	~ 32 kg / m <sup>2</sup>	
<b>Wärmeleitwiderstand:</b>	0,49 m <sup>2</sup> K / W	
<b>Wärmeübergangswiderstand:</b>	1,50 W / m <sup>2</sup> K, R <sub>si</sub> = 0,17 m <sup>2</sup> K/W berücksichtigt	
<b>Wärmeleitfähigkeit:</b>	0,055 W/mK	
<b>Druckspannung:</b>	≥150 kPa bei 10 % Stauchung nach DIN EN 826	
<b>Trittschallverbesserungsmaß:</b>	21 dB, Richtungsweisender Wert nach DIN 4109 auf Massivdecken	
<b>Nutzlast / Einzellast:</b>	≤ 2,0 kN / m <sup>2</sup> / ≤ 2,0 kN	
<b>Brandverhalten:</b>	Euroklasse E nach DIN EN 13501-1	
<b>Verlegeabstand:</b>	125 mm	

<b>Zusatzdämmung:</b>	Bei einer Nutzlast (q <sub>k</sub> ) ≤ 2,0 kN/m <sup>2</sup> und Einzellast (Q <sub>k</sub> ) ≤ 1,0 kN sind folgende Dämmstärken zulässig: Zusatzdämmung Strohfaser (Füllelement) ≥ 150 kPa max. 30 mm (max. Schichten: 1)						
<b>Wichtiger Hinweis:</b>	Die Angaben der zulässigen Einzellast (Q <sub>k</sub> ) beziehen sich auf eine Belastungsfläche von mind. 20 cm <sup>2</sup> (Druckstempel Ø = 5 cm).						
<b>Anforderungen:</b>	Planebener, glatter und tragfähiger Untergrund erforderlich (erhöhte Anforderungen gem. DIN 18202 Tab. 3, Zeile 4):						
	Stichmaße als Grenzwerte in mm bei Messpunktabständen in m						
	Zeile	Bezug	0,1 m	1 m	4 m	10 m	15 m
4	Flächenfertige Böden mit erhöhten Anforderungen, z.B. mit selbstverlaufenden Spachtelmassen	1 mm	3 mm	9 mm	12 mm	15 mm	

Zubehör	Produkt	L x B x H
	Mittelement (VA 0 125 mm)	1.000 x 500 x 30 mm
	Umlenkelement (2 Bögen)	250 x 500 x 30 mm
	Füllelement	1.000 x 500 x 30 mm
	Lastverteilblech	800 x 200 x 1 mm
	Randdämmstreifen ÖKO	25 m x 10 mm x 140 mm
	Rahmenholz RH 30	1.000 x 45 x 30 mm
	Rahmenholz RD 30	250 x 45 x 30 mm

Werte für die Zukunft



EQtherm® GmbH · Am Kohlenweg 6 · D-56307 Dürrholz-Daufenbach

Sentinel Haus Institut GmbH  
Frau Natalie Szczyglowski  
Bötzingenstraße 38  
79111 Freiburg im Breisgau  
Deutschland

EQtherm® GmbH  
Geschäftsführer Klaus-Jürgen Ehlgren  
Am Kohlenweg 6  
56307 Dürrholz-Daufenbach  
Deutschland/Germany  
Tel: 02684/95632-0  
Fax: 02684/95632-10  
Mail: info@eqtherm.de  
Web: www.eqtherm.de

02.07.2025

## Herstellereklärung EQ ÖKO ST Klimamodul

Sehr geehrte Frau Szczyglowski,

hiermit wird bestätigt, dass das System EQ ÖKO ST 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

Johannes Dornhof  
Technischer Leiter Fußbodenheizung

Kreissparkasse Altenkirchen  
IBAN: DE10 5735 1030 0050 0162 03  
BIC: MALADE51AKI

Westerwald Bank eG Hachenburg  
IBAN: DE09 5739 1800 0009 2471 06  
BIC: GENODE51WW1

Handelsregister Montabaur: HRB21110  
UST-ID-Nr.: DE 259331978

