



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

12070-10-1001

x-net C32 Deckenheizung / - kühlung Trockensystem

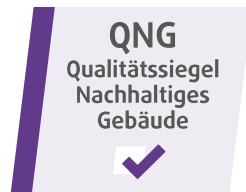
Product group: Surface heating systems



Kermi GmbH
Pankofen-Bahnhof 1
94447 Plattling



Product qualities:



Köttner
Helmut Köttner
Scientific Director
Freiburg, 26 November 2025



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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 07.11.2025			



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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)	40 Synthetic foam insulation for buildings	Halogenated propellants / SVHC: HBCD, TCEP / emissions	Quality level 4

Verification: Herstellererklärung vom 07.11.2025



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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 07.11.2025			



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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/kriterien%20f%C3%BCr%20Produkte>

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Publisher

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x-net C32 Deckenheizung / -kühlung



KERMI x-net C32
Flächenelement VA125

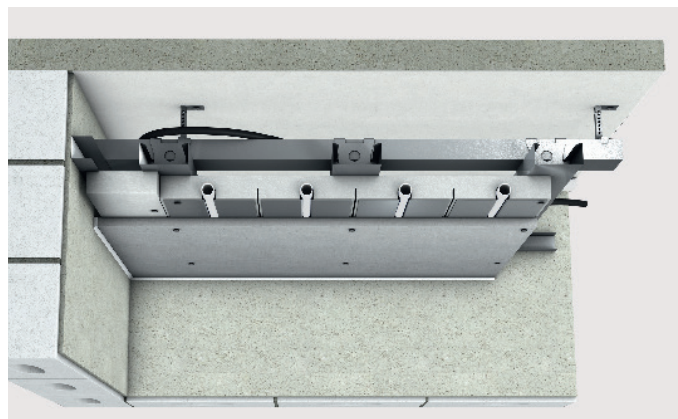
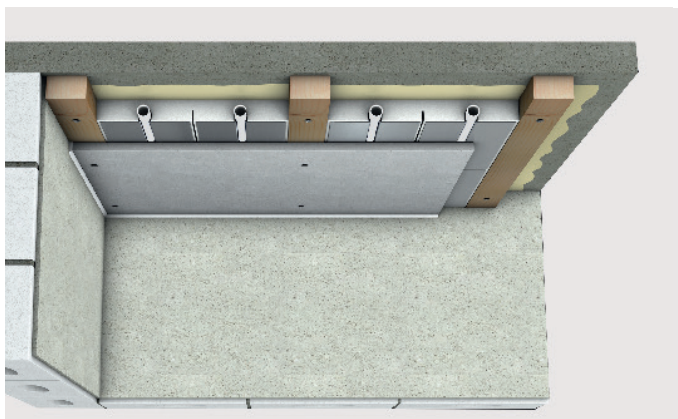
KERMI x-net C32
Kopfelement VA125

KERMI x-net C32
Kopfelement ohne Alu VA125

KERMI x-net C32
Füllelement ohne Alu

Material	Grundplatte	Styroporplatte EPS 035 DEO; 240 kPa
	Wärmeleitblech	Aluminium mit Rohrführungen (Omega-Form)
	Abmessung	1.000 x 500 x 30 mm
Daten	Wärmeleitfähigkeit	0,035 W/m
	Wärmeleitwiderstand	0,78 m ² K/W (VA = 125 mm)
	Druckspannung	240 kPa bei 10% Stauchung nach DIN EN 826
	Brandverhalten	Euroklasse E nach DIN EN 13501-1
	Rohrdurchmesser	Ø 16 mm
	Verlegeabstand	125 mm

Konstruktionsbeispiele





Sentinel Haus Institut GmbH

██████████
Bötzingstraße 38
79111 Freiburg im Breisgau
Deutschland

Plattling, 07. November 2025

Herstellererklärung x-net C32 Deckenheizung /-kühlung

Sehr geehrte Frau ██████████,

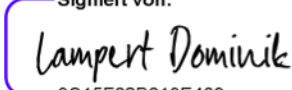
Hiermit erklären wir, dass nachfolgend aufgeführte Produkte

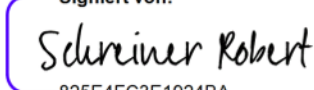
SFDTB1D1125	Kermi® x-net® C32 Deckenelement VA125
SFDTB1K1125	Kermi® x-net® C32 Kopfelement VA125
SFDTB1K0125	Kermi® x-net® C32 Kopfelement o. Alu VA125
SFDTB1FUE00	Kermi® x-net® C32 Füllelement o. Alu

die Anforderungen des AgBB-Schemas erfüllen. Des Weiteren ist das x-net C32 Deckenheizung /-kühlung Trockensystem frei von halogenierten Treibmitteln bzw. gefährlichen Stoffen nach REACH (1907/2006 EU) in der letztgültigen Fassung. Es enthält keine CMR-Stoffe und keine chemischen Schutzmittel.

Mit freundlichen Grüßen

Kermi GmbH

i.V. Signiert von:

8C15F62B618E403...
Dominik Lampert
Leitung Produktmanagement
& Entwicklung

i.V. Signiert von:

825E4FC3E1924BA...
Robert Schreiner
Director Quality Management
& ESG Central Europe