



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

1275-10-1011

Roth Randdämmstreifen

Product group: Heating - Systems



Roth Werke GmbH
Am Seerain 2
35232 Dautphetal-Buchenau



Product qualities:



Köttner

Helmut Köttner
Scientific Director

Freiburg, 02 February 2026



Contents

■ QNG - Qualitätssiegel Nachhaltiges Gebäude	1
■ DGNB New Construction 2023	2
■ DGNB New Construction 2018	4
■ BNB-BN Neubau V2015	5
■ EU taxonomy	6
■ BREEAM DE Neubau 2018	7
Product labels	8
Legal notices	9
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:

Roth Randdämmstreifen

SHI Product Passport no.:

1275-10-1011



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	not applicable	not applicable	QNG ready - Not relevant for assessment



Product:

Roth Randdämmstreifen

SHI Product Passport no.:

1275-10-1011



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	Assessment
ECO1.1 Life cycle cost (*)	May positively contribute to the overall building score
Verification: im Rahmen des Gesamtsystems der Flächenheizung in Verbindung mit der Wärmeerzeugung	

Criteria	Assessment
ECO2.6 Climate resilience (*)	May positively contribute to the overall building score
Verification: im Rahmen des Gesamtsystems der Flächenheizung	

Criteria	Assessment
ENV1.1 Climate action and energy (*)	May positively contribute to the overall building score
Verification: im Rahmen des Gesamtsystems der Flächenheizung in Verbindung mit der Wärmeerzeugung	

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	Assessment
SOC1.1 Thermal comfort (*)	May positively contribute to the overall building score
Verification: im Rahmen des Gesamtsystems der Flächenheizung	



Criteria	Assessment
SOC1.3 Sound insulation and acoustic comfort (*)	May positively contribute to the overall building score
Verification: siehe Datenblatt	

Criteria	Assessment
SOC2.1 Barrier-free design (*)	May positively contribute to the overall building score
Verification: Flächenheizung in den Baukörper integriert	

Criteria	Assessment
TEC1.3 Quality of the building envelope (*)	May positively contribute to the overall building score
Verification: siehe Datenblatt	

Criteria	Assessment
TEC1.4 Use and integration of building technology (*)	May positively contribute to the overall building score
Verification: im Rahmen des Gesamtsystems der Flächenheizung	

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:

Roth Randdämmstreifen

SHI Product Passport no.:

1275-10-1011



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:

Roth Randdämmstreifen

SHI Product Passport no.:

1275-10-1011



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			Not relevant for assessment



Product:

Roth Randdämmstreifen

SHI Product Passport no.:

1275-10-1011



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		Substances according to Annex C	EU taxonomy compliant
Verification: Herstellererklärung vom 14.02.2025			



Product:

Roth Randdämmstreifen

SHI Product Passport no.:

1275-10-1011



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			Not relevant for assessment



Product:

Roth Randdämmstreifen

SHI Product Passport no.:

1275-10-1011



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:

Roth Randdämmstreifen

SHI Product Passport no.:

1275-10-1011



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

Roth Werke GmbH - Am Seerain 2 - 35232 Dautphetal

Sentinel Holding Institut GmbH
Frau Schweizer
Bötzingen Straße 38

79111 Freiburg i. Br.

Unser Zeichen:
☎ +49 (0)6466/922-0
☎ +49 (0)6466/922-100
Internet: www.roth-werke.de
vorname.nachname@roth-werke.de

Dautphetal, 14.02.2025

**Roth Produkt - Roth Systemplatte Flipfix®
Roth Systemrohr X-PERT S5®+
Roth Systemrohr DUOPEX S5®
Roth Randdämmstreifen**

Sehr geehrte Frau Schweizer,

für die Roth-Produkte aus unserem Produktprogramm Fußbodenheizungssysteme,
welche Sie für die Prüfung nach der Schadstoffbewertung SHI angefragt haben:

- **Roth Systemplatte Flipfix®**
- **Roth Systemrohr X-PERT S5®+**
- **Roth Systemrohr DUOPEX S5®**
- **Roth Randdämmstreifen**

haben uns unsere Lieferanten von Rohstoffen und Komponenten bestätigt, dass nach
heutigem Kenntnisstand rezeptiv

- keine Stoffe aus der derzeit aktuellen SVHC-Liste mit mehr als 0,1
Masseprozent enthalten sind,
- die Produkte frei von CMR-Stoffen Kategorie 1A/1B sind bzw. einen Gehalt von
kleiner 0,01 % besitzen
- frei von halogenierten Treibmitteln sind
- keine HBCD Flammschutzmittel enthalten

Unsere Lieferanten haben uns die eingeforderten REACH-Erklärungen abgegeben.
Eine rechtsverbindliche Garantie und Überprüfung der Lieferanten können nicht
erfolgen. Sie wurden analytisch nicht überprüft.

Der Lieferant der Roth Systemplatte Flipfix® hat uns mitgeteilt, dass im Produkt ein Flammenschutzmittel verwendet wird, welches auf Antimontrioxid (Sb_2O_3 ; CAS 1309-64-4) basiert. Der Anteil des Flammenschutzmittels in der HKPP-Rezeptur beträgt 4,5 %.

Freundliche Grüße

ROTH WERKE GMBH

F&E/Labor

i. A. Doris Neubert

Dieses Dokument wurde elektronisch erstellt und ist ohne Unterschrift gültig.



■ Beschreibung

Der Randdämmstreifen dient zur schallbrückenfreien Verlegung schwimmender Heiz-Estriche gemäß DIN 18 560 und wird zur Trennung des Estrichs vom Mauerwerk oder sonstiger Einbauten umlaufend eingebaut.

■ Technische Daten

- > hohe Elastizität, sehr gute Reißfestigkeit, keine Wasseraufnahme
- > **Die Herstellung erfolgt ohne halogenierte Treibmittel-Emissionen.
Chlorparaffine / Polybromierte Biphenyle (PBB) / Polybromierte Diphenylether (PBDE)**
(Gemäß QNG Anforderungskatalog, Anhang 313, 12.2 Dämmstoffe aus PE-Schaum)
- > 100% HFCKW- und HFKW-frei
- > Ohne Flammschutzmittel HBCD
- > Ohne Schwermetalle (Blei, Zink, Cadmium, Chrom und Zinnstabilisatoren)
- > Ohne krebserregende, erbgutverändernde und fortpflanzungsgefährdende Stoffe (CMR)
- > Ohne persistente, bioakkumulierende und toxische Bestandteile (PBT)

Materialnummer	1135003442	1135000261	1135003791	1135002831
	ClimaComfort Compact-System	ClimaComfort TBS und Panel-System	Tacker und Noppen-Systeme	QuickEnergy, Tacker und Noppen-Systeme
Länge [m]	25	25	25	25
Breite [mm]	5	8	8	10
Höhe [mm]	50	130	160	160
Werkstoff	Schaumkunststoff (PE)	Schaumkunststoff (PE)	Schaumkunststoff (PE)	Schaumkunststoff (PE)
Wärmedurchlasswiderstand R [m²K/W]	0,10	0,10	0,10	0,10
Selbstklebend	Ja	Nein	Ja	Ja
Mit Folie [mm]	Nein	180	280	280, mit Selbstklebestreifen
Mit Trennhilfe (Schlitzung)	nein	nein	ja	ja
Geeignet für	Spachtelmassen, Dünnbettsysteme	Trockenestrichplatten	Zement- und Fließestriche	Zement- und Fließestriche