



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14088-10-1001

Zusatz-Wärmedämmung EPS DEO 100 SH

Product group: EPS



SCHÜTZ GmbH & Co. KGaA
Schützstraße 12
56242 Selters



Product qualities:



Köttner

Helmut Köttner
Scientific Director

Freiburg, 03 February 2026



Product:

Zusatz-Wärmedämmung EPS DEO 100 SH

SHI Product Passport no.:

14088-10-1001



Contents

| | |
|---|---|
|  SHI Product Assessment 2024 | 1 |
|  DGNB New Construction 2023 | 2 |
|  DGNB New Construction 2018 | 3 |
|  BREEAM DE Neubau 2018 | 4 |
| Product labels | 5 |
| Legal notices | 6 |
| Technical data sheet/attachments | 7 |

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:

Zusatz-Wärmedämmung EPS DEO 100 SH

SHI Product Passport no.:

14088-10-1001



SHI Product Assessment 2024

Since 2008, Sentinel Holding Institut GmbH (SHI) has been establishing a unique standard for products that support healthy indoor air. Experts carry out independent product assessments based on clear and transparent criteria. In addition, the independent testing company SGS regularly audits the processes and data accuracy.

| Criteria | Product category | Harmful substance limit | Assessment |
|------------------------------|----------------------|--|------------------------------|
| SHI Product Assessment | Insulation materials | TVOC $\leq 300 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 24 \mu\text{g}/\text{m}^3$ | Indoor Air Quality Certified |
| Valid until: 23 January 2028 | | | |



Product:

Zusatz-Wärmedämmung EPS DEO 100 SH

SHI Product Passport no.:

14088-10-1001



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 |



Product:

Zusatz-Wärmedämmung EPS DEO 100 SH

SHI Product Passport no.:

14088-10-1001



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:

Zusatz-Wärmedämmung EPS DEO 100 SH

SHI Product Passport no.:

14088-10-1001



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 Eco Instituts vom 04.10.2018 (Nr. 53589-001).
Konformitätserklärung vom 23.01.2026 bestätigt die weitere materielle Übereinstimmung.



Product:

Zusatz-Wärmedämmung EPS DE0 100 SH

SHI Product Passport no.:

14088-10-1001



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.



This product is SHI Indoor Air Quality certified and recommended by Sentinel Holding Institut. Indoor-air-focused construction, renovation, and operation of buildings is made possible by transparent and verifiable criteria thanks to the Sentinel Holding concept.



Product:

Zusatz-Wärmedämmung EPS DEO 100 SH

SHI Product Passport no.:

14088-10-1001



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%20of%20Pr%C3%BCfverfahren%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

DATENBLATT DÄMMUNG

SCHÜTZ
ENERGY SYSTEMS

www.schuetz.net

Wärmedämmung EPS DEO 100 SH Typ 20, 30, 40, 50, 70

HBCD frei
Erfüllt die **SHI-Kriterien**



Normen:
DIN EN 13163
DIN EN 4108-10

Überwachung:
1. Eigenüberwachung
2. FIW, München
(DIN EN 13163)

Aufbau:

- Wärmedämmung aus expandiertem Polystyrol-Hartschaum EPS DEO 100/035 DEO dm
EPS EN 13163-T2-L3-W3-S5-P3-BS150-CS(10)100-DS(N)5-DLT(1)5
DOP: L1-10-132
- Kantenverbindung: ringsum, stumpf, geschnitten

Technische Daten:

- Plattenabmessungen: 1.000 x 500 mm
- Max. Druckspannung bei 10% Stauchung (DIN EN 13163): 100 kPa
- Brandverhalten RtF: E (EN 13501-1)
- Baustoffklasse nach DIN 4102-1: B 1

TYP 20 (ARTIKEL-NR. 4040317*)

| | |
|------------------------------------|-------------------------|
| VPE/ Palette | 120,00 m ² |
| Plattenstärke d _N | 20 mm |
| Wärmeleitfähigkeit λ _D | 0,034 W/mK |
| Wärmeleitwiderstand R _D | 0,59 m ² K/W |

TYP 30 (ARTIKEL-NR. 4040318)

| | |
|------------------------------------|-------------------------|
| VPE/ Palette | 80,00 m ² |
| Plattenstärke d _N | 30 mm |
| Wärmeleitfähigkeit λ _D | 0,034 W/mK |
| Wärmeleitwiderstand R _D | 0,88 m ² K/W |

TYP 40 (ARTIKEL-NR. 4040319*)

| | |
|------------------------------------|-------------------------|
| VPE/ Palette | 60,00 m ² |
| Plattenstärke d _N | 40 mm |
| Wärmeleitfähigkeit λ _D | 0,034 W/mK |
| Wärmeleitwiderstand R _D | 1,18 m ² K/W |

TYP 50 (ARTIKEL-NR. 4040320)

| | |
|------------------------------------|-------------------------|
| VPE/ Palette | 50,00 m ² |
| Plattenstärke d _N | 50 mm |
| Wärmeleitfähigkeit λ _D | 0,034 W/mK |
| Wärmeleitwiderstand R _D | 1,47 m ² K/W |

TYP 70 (ARTIKEL-NR. 4040331*)

| | |
|------------------------------------|-------------------------|
| VPE/ Palette | 35,00 m ² |
| Plattenstärke d _N | 70 mm |
| Wärmeleitfähigkeit λ _D | 0,034 W/mK |
| Wärmeleitwiderstand R _D | 2,06 m ² K/W |