



# SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

**14088-10-1000**

## Tackerplatte EPS-T SH

Product group: Surface heating systems - Underlay



SCHÜTZ GmbH & Co. KGaA  
Schützstraße 12  
56242 Selters



### Product qualities:



*Köttner*

Helmut Köttner  
Scientific Director

Freiburg, 03 February 2026



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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





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## 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			



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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



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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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## **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	Flooring materials (including floor levelling compounds and resin flooring)	Emissions: Formaldehyde, TVOC, TSVOC, carcinogens	Exemplary quality

**Verification:** Prüfbericht des Eco Instituts vom 15.06.2018 (Nr. 53260-001).  
Konformitätserklärung vom 23.01.2026 bestätigt die weitere materielle Übereinstimmung.



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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.

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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.

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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.

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Find our criteria here: <https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfverfahren/kriterien%20of%20Pr%C3%BCfverfahren/Produkte>

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# DATENBLATT SYSTEMPLATTEN

**SCHÜTZ**  
ENERGY SYSTEMS

www.schuetz.net

## Tackersystem Faltplatte EPS-T SH DES sg

HBCD frei  
Erfüllt die **SHI-Kriterien**



**Normen:**  
DIN EN 13163  
DIN EN 1264  
DIN 18560  
Z-23.15-1479

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

### Aufbau:

- Polystyrol DES sg  
(ÖNORM B 6000: EPS-T 650)  
DOP: L1-96/2003  
**EPS-T 20-2 + EPS-T 30-2:** EPS-EN  
13163-L3-W3-TC(0)-S5-P3-BS50-  
DS(N)5-SD30-CP2  
**EPS-T 25-2:** EPS-EN13163-L3-W3-  
TC(0)-S5-P3-BS50-DS(N)5-SD20-CP2
- Bändchengewebe mit blauem Raster  
(5 cm)

### Technische Daten:

- Max. Nutzlast nach DIN EN 13163:  
5 kPA
- Plattenabmessung: 1000 x 2 400 mm
- Längsseitiger Deckschichtüberstand:  
30 mm
- Brandverhalten RtF: E (EN 13501-1)
- Baustoffklasse nach DIN 4102-1: B 2

### EPS-T 20-2 (ART.-NR.:4042372\*)

Plattenstärke $d_{L-c}$	18 mm
Wärmeleitfähigkeit $\lambda_D$	0,044 W/mK
Wärmeleitwiderstand $R_D$ nach DIN EN 1264	0,46 m <sup>2</sup> K/W
dynamische Steifigkeit	SD 30
Verpackungseinheit	24,0 m <sup>2</sup> (10 Stück)
Trittschallverbesserungsmaß $\Delta L_{w,R}$ bei $m' = 120 \text{ kg/m}^2$ nach DIN 4109-34: 2016-07	27 dB

### EPS-T 25-2 (ART.-NR.:4042374)

Plattenstärke $d_{L-c}$	23 mm
Wärmeleitfähigkeit $\lambda_D$	0,044 W/mK
Wärmeleitwiderstand $R_D$ nach DIN EN 1264	0,57 m <sup>2</sup> K/W
dynamische Steifigkeit	SD 20
Verpackungseinheit	24,0 m <sup>2</sup> (10 Stück)
Trittschallverbesserungsmaß $\Delta L_{w,R}$ bei $m' = 120 \text{ kg/m}^2$ nach DIN 4109-34: 2016-07	29 dB

### EPS-T 30-2 (ART.-NR.:4042376\*)

Plattenstärke $d_{L-c}$	28 mm
Wärmeleitfähigkeit $\lambda_D$	0,039 W/mK
Wärmeleitwiderstand $R_D$ nach DIN EN 1264	0,77 m <sup>2</sup> K/W
dynamische Steifigkeit	SD 30
Verpackungseinheit	19,2 m <sup>2</sup> (8 Stück)
Trittschallverbesserungsmaß $\Delta L_{w,R}$ bei $m' = 120 \text{ kg/m}^2$ nach DIN 4109-34: 2016-07	27 dB

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ENERGY SYSTEMS

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## Tackersystem Faltplatte EPS-T SH DES sm

HBCD frei  
Erfüllt die **SHI-Kriterien**



**Normen:**  
DIN EN 13163  
DIN EN 1264  
DIN 18560  
Z-23.15-1479

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

**Aufbau:**

- Polystyrol DES sm  
(ÖNORM B 6000: EPS- T 650)  
DOP: L1-96/2003  
**EPS-T 30-3:** EPS-EN 13163-L3-W3-TC(0)-S5-P3-BS50-DS(N)5-SD20-CP3  
**EPS-T 35-3:** EPS-EN 13163-L3-W3-TC(0)-S5-P3-BS50-DS(N)5-SD15-CP3
- Bändchengewebe mit blauem Raster (5 cm)

### TECHNISCHE DATEN

Max. Nutzlast nach DIN EN 13163	4 kPa
Plattenabmessungen	1 000 x 2 400 mm
Längsseitiger Deck-schichtüberstand	30 mm
Brandverhalten RtF	E (EN 13501-1)
Baustoffklasse nach DIN 4102-1	B 2

### EPS-T 30-3 (ART.-NR.: 4042377)

Plattenstärke $d_{L-c}$	27 mm
Wärmeleitfähigkeit $\lambda_D$	0,044 W/mK
Wärmeleitwiderstand $R_D$ nach DIN EN 1264	0,68 m <sup>2</sup> K/W
dynamische Steifigkeit	SD 20
Verpackungseinheit	19,2 m <sup>2</sup> (8 Stück)
Trittschallverbesserungsmaß $\Delta L_{w,R}$ bei $m' = 120 \text{ kg/m}^2$ nach DIN 4109-34: 2016-07	29 dB

### EPS-T 35-3 (ART.-NR.: 4042378)

Plattenstärke $d_{L-c}$	32 mm
Wärmeleitfähigkeit $\lambda_D$	0,044 W/mK
Wärmeleitwiderstand $R_D$ nach DIN EN 1264	0,80 m <sup>2</sup> K/W
dynamische Steifigkeit	SD 15
Verpackungseinheit	16,8 m <sup>2</sup> (7 Stück)
Trittschallverbesserungsmaß $\Delta L_{w,R}$ bei $m' = 120 \text{ kg/m}^2$ nach DIN 4109-34: 2016-07	31 dB
QNG-Anforderung Schadstoffe	frei von halogenierten Treibmitteln  HBCD $\leq 0,1 \%$