SENTINEL HOLDING
INSTITUT

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 ENERGY SYSTEMS

SCHÜTZ GmbH & Co. KGaA
Schützstraße 12
56242 Selters

Product qualities:

- SHI Product Assessment 2024
- QNG Qualitätssiegel Nachhaltiges Gebäude
- DGNB NEW CONSTRUCTION 2023.2
- DGNB NEW CONSTRUCTION 2023
- DGNB NEW CONSTRUCTION 2018
- BREEAM DE NEUBAU 2018
- LEED v4.1 (outside US)

CERTIFIED SUSTAINABLE PRODUCT
SHI PRODUCT PASSPORT
SENTINEL HOLDING INSTITUT
www.sentinel-holding.eu

Köttner

Helmut Köttner
Scientific Director
Freiburg, 26 August 2026

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Product:
Tackerplatte EPS-T SH

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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

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 ≤ 300 µg/m^3 Formaldehyd ≤ 24 µg/m^3	Indoor Air Quality Certified
Valid untill: 23 January 2028			

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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: Technisches Datenblatt 03.26			

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DGNB New Construction 2023.2

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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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: Prüfbericht ECO Institut 53260-001, Technisches Datenblatt 03.26			

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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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LEED v4.1

LEED (Leadership in Energy and Environmental Design) is an internationally recognised building certification system developed by the U.S. Green Building Council. It is one of the most widely used sustainability standards for buildings worldwide and is particularly applied in internationally oriented projects. LEED assesses buildings holistically across categories such as energy efficiency, resource conservation, material selection, indoor environmental quality and site sustainability. Depending on the number of points achieved, projects are awarded one of the certification levels: LEED Certified, Silver, Gold or Platinum.

Criteria	Product category	Considered substances	Assessment
EQ Credit: Low-Emitting Materials	Bodenbeläge	Emissionen: Formaldehyd, VOC, Krebserregende Stoffe	compliant
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.

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.

Find our criteria here: https://www.sentinel-holding.eu/de/Themenwelten/Pr%C3%BCfkriterien%20f%C3%BCr%20Produkte

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SGS TÜV SAAR

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DATENBLATT SYSTEMPLATTEN

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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

Stand 03/26_Technische Änderungen vorbehalten!

EPS-T 20-2 (ART.-NR.:4042372*)	
Plattenstärke d_L-c	18 mm
Wärmeleitfähigkeit λ_D	0,044 W/mK
Wärmeleitwiderstand R_D nach DIN EN 1264	0,46 m² K/W
dynamische Steifigkeit	SD 30
Verpackungseinheit	24,0 m² (10 Stück)
Trittschallverbesserungsmaß $\Delta L_{w,R}$ bei m´= 120 kg/m² nach DIN 4109-34: 2016-07	27 dB

EPS-T 25-2 (ART.-NR.:4042374)	
Plattenstärke d_L-c	23 mm
Wärmeleitfähigkeit λ_D	0,044 W/mK
Wärmeleitwiderstand R_D nach DIN EN 1264	0,57 m² K/W
dynamische Steifigkeit	SD 20
Verpackungseinheit	24,0 m² (10 Stück)
Trittschallverbesserungsmaß $\Delta L_{w,R}$ bei m´= 120 kg/m² nach DIN 4109-34: 2016-07	29 dB

EPS-T 30-2 (ART.-NR.:4042376*)	
Plattenstärke d_L-c	28 mm
Wärmeleitfähigkeit λ_D	0,039 W/mK
Wärmeleitwiderstand R_D nach DIN EN 1264	0,77 m² K/W
dynamische Steifigkeit	SD 30
Verpackungseinheit	19,2 m² (8 Stück)
Trittschallverbesserungsmaß $\Delta L_{w,R}$ bei m´= 120 kg/m² nach DIN 4109-34: 2016-07	27 dB

*Lagerware

DATENBLATT SYSTEMPLATTEN

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TECHNISCHE DATEN

QNG-Anforderung Schadstoffe	▮ frei von halogenierten Treibmitteln ▮ frei von Formaldehyd ▮ HBCD ≤ 0,1 % ▮ Chlorparaffine (SCCPs + MCCPs + LCCPs) < 0,1 % ▮ PBB < 0,1% ▮ PBDE < 0,1% ▮ SVHC ≤ 0,1 %

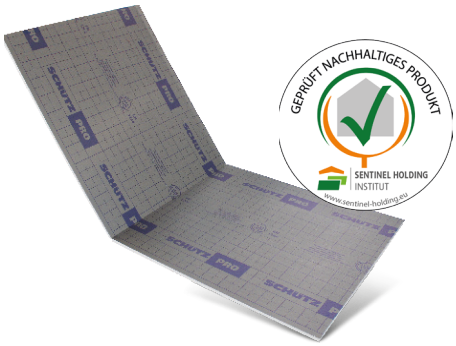
DATENBLATT SYSTEMPLATTEN

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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)

QNG-Anforderung Schadstoffe:

- frei von halogenierten Treibmitteln
- frei von Formaldehyd
- HBCD ≤ 0,1 %
- Chlorparaffine (SCCPs + MCCPs + LCCPs) < 0,1 %
- PBB < 0,1%
- PBDE < 0,1%
- SVHC ≤ 0,1 %

Stand 03/26_Technische Änderungen vorbehalten!

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 λ_D	0,044 W/mK
Wärmeleitwiderstand R_D nach DIN EN 1264	0,68 m² K/W
dynamische Steifigkeit	SD 20
Verpackungseinheit	19,2 m² (8 Stück)
Trittschallverbesse-rungsmaß $\Delta L_{w,R}$ bei m´= 120 kg/m² nach DIN 4109-34: 2016-07	29 dB

EPS-T 35-3 (ART.-NR.: 4042378)	
Plattenstärke d_L-c	32 mm
Wärmeleitfähigkeit λ_D	0,044 W/mK
Wärmeleitwiderstand R_D nach DIN EN 1264	0,80 m² K/W
dynamische Steifigkeit	SD 15
Verpackungseinheit	16,8 m² (7 Stück)
Trittschallverbesse-rungsmaß $\Delta L_{w,R}$ bei m´= 120 kg/m² nach DIN 4109-34: 2016-07	31 dB