



# SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

**15166-10-1009**

## Austrotherm XPS TOP KW

Product group: XPS foam - Insulation



Austrotherm Dämmstoffe GmbH  
Hirtenweg 11  
19322 Wittenberge



### Product qualities:



*Köttner*

Helmut Köttner  
Scientific Director

Freiburg, 02 February 2026



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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.

## Innenanwendung

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: 26 January 2028

## Außenanwendung

Criteria	Product category	Assessment
SHI Product Assessment	Outdoor product	Not relevant for assessment



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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
<b>Verification:</b> Herstellererklärung vom 21.01.2026			



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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.

### Innenanwendung

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)			Not relevant for assessment

Criteria	Assessment
SOC1.2 Indoor air quality (*)	May positively contribute to the overall building score

Criteria	Assessment
ECO1.1 Life cycle cost (*)	May positively contribute to the overall building score

Criteria	Assessment
ENV1.1 Climate action and energy (*)	May positively contribute to the overall building score



Criteria	Assessment
ECO2.6 Climate resilience (*)	May positively contribute to the overall building score

Criteria	Assessment
SOC1.1 Thermal comfort (*)	May positively contribute to the overall building score

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

## Außenanwendung

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition)	40 Synthetic foam insulation for buildings and building services	Halogenated propellants	Quality level 4
<b>Verification:</b> Herstellererklärung vom 21.01.2026			

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
<b>Verification:</b> Herstellererklärung vom 21.01.2026			



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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.

### **Innenanwendung**

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact			Not relevant for assessment

### **Außenanwendung**

Criteria	No. / Relevant building components / construction materials / surfaces	Considered substances / aspects	Quality level
ENV 1.2 Local environmental impact	40 Synthetic insulating materials for buildings and building services	Halogenated propellants	Quality level 4

**Verification:** Herstellererklärung vom 21.01.2026



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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).

### Innenanwendung

Criteria	Pos. / product type	Considered substance group	Quality level
1.1.6 Risiken für die lokale Umwelt			Quality level 4

**Verification:** Zusätzlich gilt Position 32a): Herstellererklärung vom 21.01.2026. Prüfbericht Eco-Institut vom 09.10.2020 (Nr. B55498-001). Konformitätserklärung vom 26.01.2026 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt.

### Außenanwendung

Criteria	Pos. / product type	Considered substance group	Quality level
1.1.6 Risiken für die lokale Umwelt	36a Mineral and non-mineral external wall insulations (external wall paints see Position 6, plasters see Position 35)	Biocides / hazardous substances / halogenated blowing agents	Quality level 3

**Verification:** Zusätzlich gilt Position 32a): Herstellererklärung vom 21.01.2026



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## 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.

### Innenanwendung

Criteria	Product type	Considered substances	Assessment
DNSH - Pollution prevention and control		Substances according to Annex C, formaldehyde, carcinogenic VOCs category 1A/1B	EU taxonomy compliant

**Verification:** Herstellererklärung vom 21.01.2026. Prüfbericht Eco-Institut vom 09.10.2020 (Nr. B55498-001). Konformitätserklärung vom 26.01.2026 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt.

### Außenanwendung

Criteria	Product type	Considered substances	Assessment
DNSH - Pollution prevention and control		Substances according to Annex C	EU taxonomy compliant

**Verification:** Herstellererklärung vom 21.01.2026



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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.

### Innenanwendung

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 Eco-Institut vom 09.10.2020 (Nr. B55498-001).  
Konformitätserklärung vom 26.01.2026 bestätigt die materielle Übereinstimmung mit dem geprüften Produkt.

### Außenanwendung

Criteria	Product category	Considered substances	Quality level
Hea 02 Indoor Air Quality			Not relevant for assessment



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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.



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.

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

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## Produktdatenblatt

# Austrotherm XPS® TOP KW



Druckfeste, geschosshohe Wärmedämmplatte aus extrudiertem Polystyrolhartschaum mit **Stufenfalz (SF)**

- ▶ Weitestgehend wasserunempfindlich
- ▶ Beste ökologische Eigenschaften
- ▶ Ausgezeichnete Wärmedämmung

<b>Anwendung:</b>	Als Wärmedämmende Schalung bei der Ortbetonbauweise einer Kellerwand, Zur nachträglichen Montage an einer bestehenden Kellerwand.		
<b>nach DIN 4108-10</b>	<b>PW</b>	Druckbelastbarkeit: <b>dh</b>	
<b>Lieferform:</b>	Plattenformat:	2680 x 615 mm	
	Nutzmaß:	2680 x 600 mm	
	Lieferdicken:	<b>60 - 200 mm</b>	
	Kantenausbildung:	Stufenfalz (SF) lange Seite	
	Oberfläche:	Glatt / Rillen	
<b>Produktart:</b> (Kernmaterial)	Extrudierter Polystyrol Hartschaum nach EN 13164	XPS	
<b>Bezeichnungs- Schlüssel:</b> (Kernmaterial)	XPS-EN13164-T1-DS(TH)-CS(10/Y)300-DLT(2)5-CC(2/1,5/50)130- WD(V)3-FTCD1-WL(T)0,7		
<b>Qualität:</b> (Kernmaterial)	Fremdüberwacht durch das FIW München		
<b>Techn. Daten:</b> (Kernmaterial)	Belastbarkeitsgruppe:	BG 30	
	<i>Wärmeleitfähigkeit [W/mK]:</i>	<i>Nennwert</i>	<i>Bemessungswert gem. DIN 4108-10</i>
	30-60mm	<b>0,033</b>	<b>0,034</b>
	80-120mm	<b>0,035</b>	<b>0,036</b>
	140-160mm	<b>0,036</b>	<b>0,037</b>
	180-200mm	<b>0,037</b>	<b>0,038</b>
	Mindestrohddichte:	≥ 30 kg/m <sup>3</sup>	
	Druckspannung bei 10% :	CS(10/Y) 300 kPa	= 30 t/m <sup>2</sup>
	Kriechverhalten: (Gem. EN 1606 entspricht zul.		
	Dauerdruckfestigkeit auf 50 Jahre)	CC(2/1,5/50)130 kPa	= 13 t/m <sup>2</sup>
	Geschlossenzelligkeit:	≥ 95 %	
	Elastizitätsmodul:	12 N/mm <sup>2</sup>	= 12000 kPa
	Wasseraufnahme Kapillar:	0	
	Wasseraufnahme durch Diffusion:	WD(V)3 Vol. %	
	Frost-Tau-Wechselbeständigkeit:	FTCD 1	
	Brandverhalten EN 13501-1:	E	
<b>Verarbeitung:</b>	Max. Anwendungsgrenztemperatur:	70°C	

Entwicklung und Anwendungstechnik  
 Bearbeitung: 07/2025 DBA

Unsere anwendungstechnischen Empfehlungen in Wort und Schrift, die wir zur Unterstützung des Käufers/Verarbeiters aufgrund unserer Erfahrungen, entsprechend dem derzeitigen Erkenntnisstand in Wissenschaft und Praxis geben, sind unverbindlich und begründen kein vertragliches Rechtsverhältnis und keine Nebenverpflichtungen aus dem Kaufvertrag. Sie entbinden den Käufer nicht davon, unsere Produkte auf ihre Eignung für den vorgesehenen Verwendungszweck selbst zu prüfen.

Sentinel-Holding-Institut

21.01.2026

## HERSTELLERERKLÄRUNG EU-TAXONOMIE VERORDNUNG

**Zur Bestätigung der Konformität gemäß Anlage C zur Vermeidung und Verminderung der Umweltverschmutzung gemäß der Delegierten Verordnung (EU) 2023/2486 der Kommission vom 27. Juni 2023.**

Hiermit bestätigen wir:

Austrotherm Dämmstoffe GmbH

Hirtenweg 15

19322 Wittenberge

für das folgende Produkt / die folgenden Produkte:

Austrotherm XPS® TOP 30\*, TOP 30 TB\*, TOP KW

Austrotherm XPS® TOP 50\*, TOP 50 TB\*

Austrotherm XPS® TOP 70\*, TOP 70 TB\*

Austrotherm XPS® PLUS 30\*

Austrotherm Uniplatte

\*Platten mit Stufenfalz (SF), Nut & Feder (NF) oder geraden Kanten (GK), bzw. Rillen (Zusatz im Artikeltext)

Das Produkt/ Erzeugnis/ mindestens ein Teilerzeugnis enthält Stoffe der Kandidatenliste (Version zum Ausstellungsdatum) oberhalb 0,1 Massen%:	<b>nein</b>
Das Produkt/Erzeugnis/mindestens ein Teilerzeugnis enthält weitere CMR-Stoffe der Kategorie 1A oder 1B, die nicht auf der Kandidatenliste stehen, oberhalb von 0,1 Massen-% in mindestens einem Teilerzeugnis:	<b>nein</b>

Wittenberge, 21.01.2026

Ort, Datum, Unterschrift



Ihr Ansprechpartner für Rückfragen:  
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