SENTINEL HOLDING
INSTITUT

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

Austrotherm Dämmstoffe GmbH
Hirtenweg 11
19322 Wittenberge

Product qualities:

- SHI Product Assessment 2024
- QNG Qualitätssiegel Nachhaltiges Gebäude
- DGNB NEW CONSTRUCTION 2023.2
- DGNB NEW CONSTRUCTION 2023
- DGNB NEW CONSTRUCTION 2018
- BNB-BN NEUBAU V2015
- EU TAXONOMY
- 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

SENTINEL HOLDING
INSTITUT

Product:
Austrotherm XPS TOP KW

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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: 26 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: Herstellererklärung vom 21.01.2026			

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DGNB New Construction 2023.2

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 Dämmplatten aus Kunststoffschäumen (innen und außen)	Gehalt an gefährlichen Stoffen: TCEP (SVHC), Halogenierte Treibmittel	Quality level 4
Verification: 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
Verification: 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
Verification: 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	Sonstige	Stoffe nach Anlage C	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	Sonstige	Stoffe nach Anlage C	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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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.

Innenanwendung

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

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

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SGS

SGS TÜV SAAR

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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

Anwendung:
Als Wärmedämmende Schalung bei der Ortbetonbauweise einer Kellerwand,
Zur nachträglichen Montage an einer bestehenden Kellerwand.

nach DIN 4108-10
PW
Druckbelastbarkeit: **dh**

Lieferform:

Plattenformat:	2680 x 615 mm
Nutzmaß:	2680 x 600 mm
Lieferdicken:	**60 - 200 mm**
Kantenausbildung:	Stufenfalz (SF) lange Seite
Oberfläche:	Glatt / Rillen

Produktart: (Kernmaterial)
Extrudierter Polystyrol Hartschaum nach EN 13164: XPS

Bezeichnungs-Schlüssel: (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

Qualität: (Kernmaterial)
Fremdüberwacht durch das FIW München

Techn. Daten: (Kernmaterial)

Belastbarkeitsgruppe:	BG 30	
Wärmeleitfähigkeit [W/mK]:	*Nennwert*	*Bemessungswert gem. DIN 4108-10*
30-60mm	**0,033**	**0,034**
80-120mm	**0,035**	**0,036**
140-160mm	**0,036**	**0,037**
180-200mm	**0,037**	**0,038**
Mindestrohdichte:	≥ 30 kg/m³	
Druckspannung bei 10% :	CS(10/Y) 300 kPa	= 30 t/m²
Kriechverhalten: (Gem. EN 1606 entspricht zul. Dauerdruckfestigkeit auf 50 Jahre)	CC(2/1,5/50)130 kPa	= 13 t/m²
Geschlossenzelligkeit:	≥ 95 %	
Elastizitätsmodul:	12 N/mm²	= 12000 kPa
Wasseraufnahme Kapillar:	0	
Wasseraufnahme durch Diffusion:	WD(V)3 Vol.%	
Frost-Tau-Wechselbeständigkeit:	FTCD 1	
Brandverhalten EN 13501-1:	E	

Verarbeitung:
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.

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info@austrotherm.de

Austrotherm Dämmstoffe GmbH
Anwendungstechnik
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Tel: +49 151 155 758 04

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%:	**nein**
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:	**nein**

Wittenberge, 21.01.2026

Ort, Datum, Unterschrift

Ihr Ansprechpartner für Rückfragen:
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