



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, 12 May 2026



Product:









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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: 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

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 | | 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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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%BCfverfahren/kriterien%20f%C3%BCr%20Produkte>

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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 | |
| | <i>Wärmeleitfähigkeit [W/mK]:</i> | <i>Nennwert</i> | <i>Bemessungswert gem. DIN 4108-10</i> |
| | 30-60mm | 0,033 | 0,034 |
| | 80-120mm | 0,035 | 0,036 |
| | 140-160mm | 0,036 | 0,037 |
| | 180-200mm | 0,037 | 0,038 |
| | Mindestrohddichte: | ≥ 30 kg/m ³ | |
| | Druckspannung bei 10% : | CS(10/Y) 300 kPa | = 30 t/m ² |
| | Kriechverhalten: (Gem. EN 1606 entspricht zul. | | |
| | Dauerdruckfestigkeit auf 50 Jahre) | CC(2/1,5/50)130 kPa | = 13 t/m ² |
| | Geschlossenzelligkeit: | ≥ 95 % | |
| | Elastizitätsmodul: | 12 N/mm ² | = 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.

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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