



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

15758-10-1001

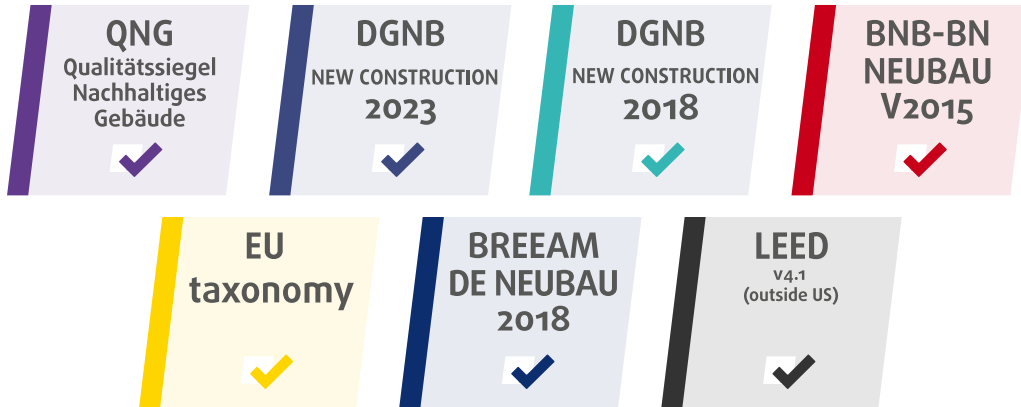
rekord Schalungselemente Thermo



Holzmann GmbH & Co. KG
Südbachstraße 12
49196 Bad Laer



Product qualities:










Köttner

Helmut Köttner
Scientific Director
Freiburg, 29 May 2026



Contents

| | |
|--|----|
|  QNG - Qualitätssiegel Nachhaltiges Gebäude | 1 |
|  DGNB New Construction 2023 | 2 |
|  DGNB New Construction 2018 | 4 |
|  BNB-BN Neubau V2015 | 5 |
|  EU taxonomy | 6 |
|  BREEAM DE Neubau 2018 | 7 |
|  LEED v4.1 | 8 |
| Product labels | 9 |
| Legal notices | 10 |
| Technical data sheet/attachments | 10 |

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





Product:

rekord Schalungselemente Thermo

SHI Product Passport no.:

15758-10-1001



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.

HB-Schalung

| Criteria | Pos. / product group | Considered substances | QNG assessment |
|---|---|---|----------------|
| 3.1.3 Schadstoffvermeidung in Baumaterialien | 9.1 Wood-based materials (plywood, OSB, and HPL) | Formaldehyde / VOC / emissions / hazardous substances / SVHC: boron compounds | QNG ready |
| Verification: IBR-Gutachten Nr. 3023-1327 vom 16.01.2023 in Verbindung mit Konformitätserklärung. Herstellererklärung REACH vom 29.04.2026. | | | |

XPS-Dämmung innen

| 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 XPS vom 29.08.2024 | | | |



Product:

rekord Schalungselemente Thermo

SHI Product Passport no.:

15758-10-1001



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.

HB-Schalung

| Criteria | Assessment |
|--|---|
| ENV1.1 Climate action and energy (*) | May positively contribute to the overall building score |
| Verification: Für den XPS-Dämmstoff liegt ein EPD vor. Auch ein SHI-Produktpass liegt dazu vor. | |

| Criteria | Assessment |
|--|---|
| ECO2.6 Climate resilience (*) | May positively contribute to the overall building score |
| Verification: Der Dämmstoff isoliert das Gebäude. Dadurch wenig Wärmeverlust im Winter und geringere Erwärmung des Wohnraumes im Sommer | |

| Criteria | Assessment |
|--|---|
| SOC1.1 Thermal comfort (*) | May positively contribute to the overall building score |
| Verification: Durch die isolierende Wirkung des Dämmstoffes hilft dieser dabei, Temperaturverluste oder Temperaturanstiege zu reduzieren. | |

| Criteria | Assessment |
|--|---|
| TEC1.3 Quality of the building envelope (*) | May positively contribute to the overall building score |
| Verification: Ja, denn es ist ein Dämmstoff mit WLK 032 | |



| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|--|--|---------------------------------|-----------------|
| ENV 1.2 Local environmental impact, 03.05.2024 (3rd edition) | 47 Coated and uncoated wood-based materials: particle board, blockboard, veneer panels, fibreboard | Formaldehyde emissions | Quality level 4 |
| Verification: IBR-Gutachten Nr. 3023-1327 vom 16.01.2023 in Verbindung mit Konformitätserklärung. | | | |

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|--|--|---------------------------------|-----------------|
| ENV 1.2 Local environmental impact, 29.05.2025 (4th edition) | Coated and uncoated wood-based materials | VVOC, VOC, SVOC emissions | Quality level 4 |
| Verification: IBR-Gutachten Nr. 3023-1327 vom 16.01.2023 in Verbindung mit Konformitätserklärung. | | | |

XPS-Dämmung innen

| 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 |



Product:

rekord Schalungselemente Thermo

SHI Product Passport no.:

15758-10-1001



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.

HB-Schalung

| Criteria | No. / Relevant building components / construction materials / surfaces | Considered substances / aspects | Quality level |
|--|--|---------------------------------|-----------------|
| ENV 1.2 Local environmental impact | 47a Industrially manufactured products | Formaldehyde | Quality level 4 |
| Verification: IBR-Gutachten Nr. 3023-1327 vom 16.01.2023 in Verbindung mit Konformitätserklärung. | | | |

XPS-Dämmung innen

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



Product:

rekord Schalungselemente Thermo

SHI Product Passport no.:

15758-10-1001



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).

HB-Schalung

| Criteria | Pos. / product type | Considered substance group | Quality level |
|-------------------------------------|--|---|-----------------|
| 1.1.6 Risiken für die lokale Umwelt | 41 Wood-based panels according to EN 13986, such as chipboard, plywood, fiberboard, medium-density fiberboard (MDF), plywood, solid wood panels, and OSB panels, as well as veneer plywood | VOC / formaldehyde / hazardous substances | Quality level 4 |

Verification: IBR-Gutachten Nr. 3023-1327 vom 16.01.2023 in Verbindung mit Konformitätserklärung. Herstellererklärung REACH vom 29.04.2026.

XPS-Dämmung innen

| Criteria | Pos. / product type | Considered substance group | Quality level |
|-------------------------------------|--|---|-----------------|
| 1.1.6 Risiken für die lokale Umwelt | 36b Mineral and non-mineral interior insulations | VOC / biocides / hazardous substances / individual hazardous substances (formaldehyde) / halogenated blowing agents | Quality level 4 |

Verification: Prüfbericht eco Institut vom 09.10.2020 (Prüfbericht Nr. B55498-001) in Verbindung mit Konformitätserklärung vom 09.09.2024. Zusätzlich gilt Position 32a): Herstellererklärung XPS PLUS 30 SF / PLUS P GK vom 29.08.2024.



Product:

rekord Schalungselemente Thermo

SHI Product Passport no.:

15758-10-1001



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.

HB-Schalung

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

Verification: Herstellererklärung REACH vom 29.04.2026.

XPS-Dämmung innen

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

Verification: Prüfbericht eco Institut vom 09.10.2020 (Prüfbericht Nr. B55498-001) in Verbindung mit Konformitätserklärung vom 09.09.2024.



Product:

rekord Schalungselemente Thermo

SHI Product Passport no.:

15758-10-1001



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.

HB-Schalung

| Criteria | Product category | Considered substances | Quality level |
|--|---------------------|---|-------------------|
| Hea 02 Indoor Air Quality | Wood-based products | Emissions: Formaldehyde, TVOC, TSVOC, carcinogens | Exemplary quality |
| Verification: IBR-Gutachten Nr. 3023-1327 vom 16.01.2023 in Verbindung mit Konformitätserklärung. | | | |

XPS-Dämmung innen

| 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 (Prüfbericht Nr. B55498-001) in Verbindung mit Konformitätserklärung vom 09.09.2024. | | | |



Product:

rekord Schalungselemente Thermo

SHI Product Passport no.:

15758-10-1001



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.

HB-Schalung

| Criteria | Product category | Considered substances | Assessment |
|--|------------------|---|------------|
| EQ Credit: Low-Emitting Materials | Holzwerkstoffe | Emissionen: Formaldehyd, VOC, Krebserregende Stoffe | compliant |
| Verification: IBR-Gutachten Nr. 3023-1327 vom 16.01.2023 in Verbindung mit Konformitätserklärung. | | | |

XPS-Dämmung innen

| Criteria | Product category | Considered substances | Assessment |
|---|------------------|-----------------------|------------|
| EQ Credit: Low-Emitting Materials | Dämmstoffe | | compliant |
| Verification: Prüfbericht eco Institut vom 09.10.2020 (Prüfbericht Nr. B55498-001) in Verbindung mit Konformitätserklärung vom 09.09.2024. | | | |



Product:

rekord Schalungselemente Thermo

SHI Product Passport no.:

15758-10-1001



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.



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.



Product:

rekord Schalungselemente Thermo

SHI Product Passport no.:

15758-10-1001



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%20f%C3%BCr%20Produkte>

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



Publisher

Sentinel Holding Institut GmbH
Bötzingen Str. 38
79111 Freiburg im Breisgau
Germany
Tel.: +49 761 590 481-70
info@sentinel-holding.eu
www.sentinel-holding.eu

Herstellererklärung für rekord Schalungselemente Herstellererklärung für Rollladen- / Raffstorekästen

Hiermit bestätigen wir Ihnen, dass unser komplettes Sortiment an Schalungselementen, Rollladen- und Raffstorekästen folgende Anforderungen erfüllt:

| | |
|--------------------------|--|
| SVHC | der Gehalt an besonders besorgniserregenden Stoffen (SVHC) < 0,1 % Massenprozent beträgt |
| CMR | der Gehalt an CMR-Stoffe der Kategorie 1A/1B < 0,1 % Massenprozent beträgt |
| Halogenierte Treibmittel | Nicht enthalten |
| HBCD | Nicht enthalten |

Unsere Vorlieferanten sind vertraglich verpflichtet, uns **unverzüglich und unaufgefordert** zu informieren, sofern in den von ihnen gelieferten Produkten SVHC- und/oder CMR-Stoffe oberhalb der zulässigen Grenzwerte enthalten sind. Sollten wir eine entsprechende Mitteilung erhalten und dadurch Kenntnis über relevante Änderungen erlangen, werden wir Sie selbstverständlich **umgehend informieren**.

Bad Laer, den 29.04.2026 B.Eng. & Maurermeister Jan Holzmann, GF

Ort, Datum

Name, Funktion



Unterschrift