



# SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

**13392-10-1001**

## Bodentreppe Designo

Product group: Stairs - Wooden stairs - Loft stairs



Roto Frank Treppen GmbH  
Gutenbergstraße 21  
86356 Neusäß



### Product qualities:



*Köttner*

**Helmut Köttner**  
Scientific Director

Freiburg, 02 February 2026



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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     | Wood materials   | TVOC $\leq 300 \mu\text{g}/\text{m}^3$<br>Formaldehyd $\leq 36 \mu\text{g}/\text{m}^3$ | Indoor Air Quality Certified |
| Valid untill: 06 June 2026 |                  |                                                                                        |                              |



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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<br>Schadstoffvermeidung in<br>Baumaterialien | 9.1 Wood-based materials<br>(plywood, OSB, and HPL) | Formaldehyde / VOC /<br>emissions / hazardous<br>substances / SVHC: boron<br>compounds | QNG ready      |

**Verification:** Emissionsprüfbericht des Instituts Eco-Institut vom 25.08.2022 / Prüfbericht Nr. 57274-A001-L. Herstellererklärung vom 07.10.2024



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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)                                                       | 47 Coated and uncoated wood-based materials: particle board, blockboard, veneer panels, fibreboard | Formaldehyde emissions          | Quality level 4 |
| <b>Verification:</b> Emissionsprüfbericht des Instituts Eco-Institut vom 25.08.2022 / Prüfbericht Nr. 57274-A001-L |                                                                                                    |                                 |                 |

| Criteria                                   | Assessment                                              |
|--------------------------------------------|---------------------------------------------------------|
| SOC1.2 Indoor air quality (*)              | May positively contribute to the overall building score |
| <b>Verification:</b> SHI-Schadstoffgeprüft |                                                         |

| 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 |
| <b>Verification:</b> Emissionsprüfbericht des Instituts Eco-Institut vom 25.08.2022 / Prüfbericht Nr. 57274-A001-L |                                                                        |                                 |                 |



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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                                                                                 | 47a Industrially manufactured products                                 | Formaldehyde                    | Quality level 4 |
| <b>Verification:</b> Emissionsprüfbericht des Instituts Eco-Institut vom 25.08.2022 / Prüfbericht Nr. 57274-A001-L |                                                                        |                                 |                 |



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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).

| 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:** Emissionsprüfbericht des Instituts Eco-Institut vom 25.08.2022 / Prüfbericht Nr. 57274-A001-L. Herstellererklärung vom 07.10.2024



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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.

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

**Verification:** Emissionsprüfbericht des Instituts Eco-Institut vom 25.08.2022 / Prüfbericht Nr. 57274-A001-L. Herstellererklärung vom 07.10.2024



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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                                                                                          | Wood-based products | Emissions: Formaldehyde, TVOC, TSVOC, carcinogens | Exemplary quality |
| <b>Verification:</b> Emissionsprüfbericht des Instituts Eco-Institut vom 25.08.2022 / Prüfbericht Nr. 57274-A001-L |                     |                                                   |                   |



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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.



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.



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.

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

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Der Testsieger beim TÜV Rheinland.

# Bodentreppe Designo



## Die Vorteile im Überblick

- + Hochwertiger Fensterbeschlag aus dem Hause Roto mit 6 Verriegelungspunkten.
- + So dicht wie ein Fenster dank Fensterbeschlag und Fensterdichtung.
- + Dämm- und Dichtblock (WDL) bereits vormontiert und ein vorgebohrter Lukenkasten setzten neue Maßstäbe für Energieeffizienz, Montagefreundlichkeit und langlebige Qualität.
- + Einbaufertig mit serienmäßigem Zubehör: Handlauf, Montageschrauben, Schutzkappenfüße, Bedienstab mit 4-Kant, steckbare Abdeckleisten in weiß (Kunststoff), Dämm- und Dichtblock am Lukenkasten, vorgebohrter Lukenkasten (vereinfachte Montage)



Dieses Produkt auf  
maestroppen.de konfigurieren.

## Technik und Produkteigenschaften

|                        |                                                                                                                                                                                                                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Energielabel           | + Bauelement: 0,60 W/m²K*<br>+ DD Ausführung: 0,29 W/m²K*                                                                                                                                                                                                                                                  |
| Energieeffizienz       | + Luftdurchlässigkeit Klasse 4 geprüft**<br>+ umlaufende Dichtung mit geschlossenen Ecken<br>+ Wärmedämmung im Deckel / Sandwichbauweise                                                                                                                                                                   |
| Lukenkasten und Deckel | + Lukenkasten weiß<br>+ Lukendeckel weiß, feuchteresistent mit Melaminharzbeschichtung<br>+ Deckelkante weiß<br>+ Verschluss durch 6-Punkt-Verriegelung<br>+ Deckenbündiger Einbau möglich<br>+ Ansprechendes Design - Verschluss flächenbündig ohne Zughaken<br>+ Kastenhöhe: 20 cm<br>+ Einbauluft: 2 cm |
| Treppe                 | + Holzleiter 3-tlg. aus Nadelholz<br>+ Stufen: 33 cm breit / 8 cm tief<br>+ Trittstufen mit Antirutschprofil<br>+ Belastbarkeit 180 kg<br>+ Neigungseinstellung durch Stellschraube                                                                                                                        |
| ift Rosenheim geprüft  | + Luftdurchlässigkeit (a-Wert)<br>+ Anschlusssystem** (WDL)                                                                                                                                                                                                                                                |

Roto Bodentreppe Designo ist Gesamtsieger der von uns beauftragten Zufriedenheitsstudie des TÜV Rheinland Polska, dies im Durchschnitt aller Bewertungen der Befragten in allen drei Kategorien „Produktqualität“, „Montagefreundlichkeit“ und „Anwenderfreundlichkeit“. Im Test: 3 Bodentreppen. Detaillierte Testergebnisse unter: [www.roto-treppen.de/testergebnisse](http://www.roto-treppen.de/testergebnisse).

\*herstellereberechnet nach DIN EN ISO 6946 \*\*geprüft durch ift Rosenheim nach DIN EN 12207 / 12114



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Neusäß,  
20. August 2025

### Herstellereklärung zu unseren Treppenprodukten

Sehr geehrte Damen und Herren,

hiermit bestätigen wir Ihnen zu unseren Treppen-Produkten

- **Bodentreppe Designo**
- **Flachdachausstieg mit Bodentreppe Designo**
- **Flachdachausstieg mit Scherentreppe Exklusiv**
- **Bodentreppe Cadet 3 Norm**

wie folgt:

- beinhaltet keine SVHC über 0,1 %
- beinhaltet keine Reproduktionstoxische Borverbindungen über 0,10 %  
(BNB/41, QNG/9.1)
- beinhaltet keine CMR-Stoffe der Kategorien 1A/1B über 0,1 %

Wir hoffen, Ihnen mit diesen Informationen weitergeholfen zu haben und stehen für weitere Fragen gerne zur Verfügung.

Freundliche Grüße

Viets, Sabrina

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