SENTINEL HOLDING
INSTITUT

SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

12552-10-1013

Zarge PZ-6; PZ-9; DZ-6

Product group: Interior doors - Doors & Gates - Assembly parts

JELD-WEN Deutschland GmbH & Co. KG
August-Moralt-Straße 1-3
86732 Oettingen

Product qualities:

- SHI Product Assessment 2024
- QNG Qualitätssiegel Nachhaltiges Gebäude
- DGNB NEW CONSTRUCTION 2023
- DGNB NEW CONSTRUCTION 2018
- BNB-BN NEUBAU V2015
- 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, 14 April 2026

Product:
Zarge PZ-6; PZ-9; DZ-6

SHI Product Passport no.:
12552-10-1013

JELD-WEN DOOR SOLUTIONS

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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 ≤ 300 µg/m³ Formaldehyd ≤ 36 µg/m³	Indoor Air Quality Certified
Valid untill: 03 August 2027			

SENTINEL HOLDING
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Zarge PZ-6; PZ-9; DZ-6

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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			QNG ready - Not relevant for assessment

Criteria	Assessment
ANF2-WG1 Nachhaltige Materialgewinnung	May positively contribute to the overall building score
Verification: PEFC Zertifikat 23.08.2023	

SENTINEL HOLDING
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Product:
Zarge PZ-6; PZ-9; DZ-6

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JELD-WEN DOOR SOLUTIONS

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
Verification: Prüfbericht des Instituts Holzforschung Austria - Österreichische Gesellschaft für Holzforschung [Prüfbericht Nr. 5412/2022- HC] vom 03.08.2023. Konformitätserklärung vom 14.10.2025, die die materielle Übereinstimmung bestätigt.			

Criteria	Quality level
ENV1.3 Responsible resource extraction	May positively contribute to the overall building score
Verification: PEFC Zertifikat 23.08.2023	

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: Prüfbericht des Instituts Holzforschung Austria - Österreichische Gesellschaft für Holzforschung [Prüfbericht Nr. 5412/2022- HC] vom 03.08.2023. Konformitätserklärung vom 14.10.2025, die die materielle Übereinstimmung bestätigt.			

SENTINEL HOLDING
INSTITUT

Product:
Zarge PZ-6; PZ-9; DZ-6

SHI Product Passport no.:
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JELD-WEN DOOR SOLUTIONS

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
Verification: Prüfbericht des Instituts Holzforschung Austria - Österreichische Gesellschaft für Holzforschung [Prüfbericht Nr. 5412/2022- HC] vom 03.08.2023. Konformitätserklärung vom 14.10.2025, die die materielle Übereinstimmung bestätigt.			

SENTINEL HOLDING
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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	Assessment
1.1.7 Nachhaltige Materialgewinnung	May positively contribute to the overall building score
Verification: PEFC Zertifikat 23.08.2023	

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INSTITUT

Product:
Zarge PZ-6; PZ-9; DZ-6

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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

Verification: Prüfbericht des Instituts Holzforschung Austria - Österreichische Gesellschaft für Holzforschung [Prüfbericht Nr. 5412/2022- HC] vom 03.08.2023. Konformitätserklärung vom 14.10.2025, die die materielle Übereinstimmung bestätigt.

SENTINEL HOLDING
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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.

Criteria	Product category	Considered substances	Assessment
EQ Credit: Low-Emitting Materials	Holzwerkstoffe	Emissionen: Formaldehyd, VOC, Krebserregende Stoffe	compliant
Verification: Prüfbericht des Instituts Holzforschung Austria - Österreichische Gesellschaft für Holzforschung [Prüfbericht Nr. 5412/2022- HC] vom 03.08.2023. Konformitätserklärung vom 14.10.2025, die die materielle Übereinstimmung bestätigt.			

SENTINEL HOLDING INSTITUT

Product:
Zarge PZ-6; PZ-9; DZ-6

SHI Product Passport no.:
12552-10-1013

JELD-WEN DOOR SOLUTIONS

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.

PEFC™

The PEFC label certifies wood and wood products from sustainably managed forests and requires, among other things, legal origin, protection of forest ecosystems, and social minimum standards in forestry. Environmental organisations consider PEFC's criteria to be less strict than those of FSC, particularly regarding the protection of sensitive forest areas. Health-related aspects of the final product are not part of the PEFC assessment.

GEPRÜFT NACHHALTIGES PRODUKT – SENTINEL HOLDING INSTITUT

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.

GEPRÜFT NACHHALTIGES PRODUKT – QNG READY – SENTINEL HOLDING INSTITUT

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:
Zarge PZ-6; PZ-9; DZ-6

SHI Product Passport no.:
12552-10-1013

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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Nachweis und Dokumentation zur Gebäudezertifizierung nach:

1.3 Ökologische Qualität | Umweltverträgliche Materialgewinnung (Holz)
PEFC™ Zertifikat

DGNB (2018) Innenräume	ENV1.3.1
Stand:	23.08.2023
Seite	1 von 4

Preferred by Nature™

Preferred by Nature™ PEFC PEFC/01-44-49 ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17065 PRODUCT CERTIFICATION BODY ACCREDITATION ID #9125

Preferred by Nature OÜ hereby confirms that
the Chain of Custody system of

JELD-WEN A/S

Danmarksvej 9
9670 Løgstør
Denmark

has been assessed and certified as meeting the requirements of
PEFC ST 2001:2020; PEFC ST 2002:2020

The certificate is valid from
16 May 2022 to 15 May 2027
Certificate version date: 23 August 2023

Scope of certificate
Certificate type: Multisite Chain of Custody

Certificate registration code
PBN-PEFC-COC-000018

Justinas Janulaitis
Management board member
Filosoofi 31, Tartu
Estonia

Preferred by Nature OÜ accreditation is issued by ANAB (Accreditation ID# 9125).

Specific information regarding products and sites is listed in the appendix(es) of this certificate.
Products offered, shipped or sold by the certificate holder can only be considered covered by the scope of this certificate when the required PEFC claim is clearly stated on delivery documents. The physical printed certificate remains the property of Preferred by Nature OÜ and shall be returned upon request.

Preferred by Nature™

Nachweis und Dokumentation zur Gebäudezertifizierung nach:

1.3 Ökologische Qualität | Umweltverträgliche Materialgewinnung (Holz)
PEFC™ Zertifikat

DGNB (2018) Innenräume	ENV1.3.1
Stand:	23.08.2023
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Annex A: Scope of JELD-WEN A/S PEFC Chain of Custody Certificate PBN-PEFC-COC-000018

Product Type	PEFC Claims	CoC Method	Input Material Category
050600 - Fiber boards	x% PEFC Certified	Percentage Method	Certified material; Other material
090302 - Sandwich type doors	PEFC Controlled Sources	Physical separation	Certified material; Other material
090302 - Sandwhich type doors	x% PEFC Certified	Physical separation; Percentage Method	Certified material; Other material

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Certificate version date: 23 August 2023

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Nachweis und Dokumentation zur Gebäudezertifizierung nach:

1.3 Ökologische Qualität | Umweltverträgliche Materialgewinnung (Holz)
PEFC™ Zertifikat

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Annex B: Scope of JELD-WEN A/S PEFC Chain of Custody Certificate PBN-PEFC-COC-000018

No	Site Name	Address	CoC Method	Sub-code
1	JELD-WEN Danmark A/S - Sdr. Felding	Europavej 1 Sdr. Felding 7280 Denmark	PEFC Percentage Method	PBN-PEFC-COC-000018-A
2	Jeld-Wen UK Ltd, Penrith	Mardale Road, Penrith Industrial Estate Penrith CA11 9EH United Kingdom	PEFC Percentage Method	PBN-PEFC-COC-000018-AA
3	JELD-WEN Latvia, Aizkraukle Door Factory	Rūpniecības iela 13 Aizkraukle LV-5101 Latvia	PEFC Percentage Method	PBN-PEFC-COC-000018-B
4	JELD-WEN Latvia, Ltd. Wood Fiber Division	Aizkraukle Parish "Upes" Aizkraukle region LV-5101 Latvia	PEFC Percentage Method	PBN-PEFC-COC-000018-C
5	JELD-WEN Danmark A/S - Herning door factory	Nystedvej 2 Herning 7400 Denmark	PEFC Percentage Method	PBN-PEFC-COC-000018-D
6	JELD-WEN Danmark A/S - Logstor door factory and terminal	Danmarksvej 9 Logstor 9670 Denmark	PEFC Percentage Method	PBN-PEFC-COC-000018-E
7	JELD-WEN Austria	Gleinkerau 70 Spital am Pyhrn 4582 Austria	PEFC Percentage Method	PBN-PEFC-COC-000018-F
8	JELD-WEN Deutschland GmbH&Co KG - Oettingen	August-Moralt-Straße 1-3 Oettingen D-86732 Germany	PEFC Percentage Method	PBN-PEFC-COC-000018-G
9	JELD-WEN Deutschland GmbH&Co KG. - Mittweida	Altenburger, Strasse. 38 Mittweida D-09648 Germany	PEFC Percentage Method	PBN-PEFC-COC-000018-H
10	JELD-WEN France - Eauze	1 rue Leche Eauze 32800 France	PEFC Percentage Method	PBN-PEFC-COC-000018-I
11	JELD-WEN France - USSEL	ZI LE Theil, BP 45 USSEL Cegex 19202 France	PEFC Percentage Method	PBN-PEFC-COC-000018-K
12	JELD-WEN Schweiz AG	Luzernerstrasse 48 Bremgarten 5620 Switzerland	PEFC Percentage Method	PBN-PEFC-COC-000018-K

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Certificate version date: 23 August 2023

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Nachweis und Dokumentation zur Gebäudezertifizierung nach:

1.3 Ökologische Qualität | Umweltverträgliche Materialgewinnung (Holz)
PEFC™ Zertifikat

Preferred by Nature™

Annex B: Scope of JELD-WEN A/S PEFC Chain of Custody Certificate PBN-PEFC-COC-000018

No	Site Name	Address	CoC Method	Sub-code
13	JELD-WEN Sverige AB, Astorp Door Factory and Terminal	Förrådsgatan Åstorp SE-26581 Sweden	PEFC Percentage Method	PBN-PEFC-COC-000018-L
14	JELD-WEN Eesti AS in Rakvere (CO, door factory and terminal)	Arkna tee 1 Rakvere 44317 Estonia	PEFC Percentage Method	PBN-PEFC-COC-000018-N
15	JELD-WEN Suomi OY, Kuopio Production	Sammonkatu 4 Kuopio 70500 Finland	PEFC Percentage Method	PBN-PEFC-COC-000018-O
16	JELD-WEN Sverige AB, Forserum Door Factory	Fabriksgatan 38 P.O. Box 148 Forserum 57103 Sweden	PEFC Percentage Method	PBN-PEFC-COC-000018-O
17	JELD-WEN Magyarország Kft., Lenti Door Factory	Gyár u.4 Lenti HU-8961 Hungary	PEFC Percentage Method	PBN-PEFC-COC-000018-P
18	JELD-WEN Latvia SIA - Dobele	Zaļā iela 105 Dobele 2300 Latvia	PEFC Percentage Method	PBN-PEFC-COC-000018-Q
19	Jeld-Wen UK Ltd, Sheffield	Woodhouse Mill, Retford Road Sheffield S13 9WH United Kingdom	PEFC Percentage Method	PBN-PEFC-COC-000018-Z
20	JELD-WEN Suomi OY - Vääksy terminal and production	Jyväskyläntie 288 Vääksy 17201 Finland	PEFC Percentage Method	PBN-PEFC-COC-000018-T
21	Mattiovi OY, Alavus Door factory	Sepposentie 5 Rantatoysa 63410 Finland	PEFC Percentage Method	PBN-PEFC-COC-000018-Y

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