



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

12642-10-1011

Gipsfaser-Platte greenline

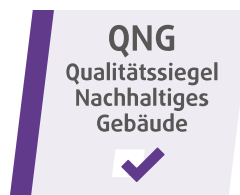
Product group: Fire protection panels - Mineral building panels - Gypsum fiber board



James Hardie Europe GmbH
Bennigsen-Platz 1
40474 Düsseldorf



Product qualities:



Köttner

Helmut Köttner
Scientific Director

Freiburg, 27 November 2025



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Content

 SHI Product Assessment 2024	1
 QNG - Qualitätssiegel Nachhaltiges Gebäude	2
 DGNB New Construction 2023	3
 DGNB New Construction 2018	4
Product labels	5
Legal notices	6
Technical data sheet/attachments	7

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	Assessment
SHI Product Assessment		Indoor Air Quality Certified
Valid untill: 30 July 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 Schadstoffvermeidung in Baumaterialien	not applicable	not applicable	QNG ready - Not relevant for assessment



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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)	not applicable		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 applicable		Not relevant for assessment



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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	not applicable	not applicable	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.



The privately owned eco-INSTITUT certifies low-emission, low-odour and low-pollutant construction and cleaning products, furnishings and furniture on the basis of its strict test criteria and precisely documented certification conditions.



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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SHI Product Passport no.:

12642-10-1011



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/Pr%C3%BCfverfahren%20f%C3%BCr%20Produkte>

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Publisher

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fermacell Produktdatenblatt

**fermacell Gipsfaser-Platten greenline**
mit raumluftreinigenden Eigenschaften**Produkt**

Homogene gipsgebundene Trockenbauplatte mit Papierfasern, werkseitig hydrophobiert. Mit raumluft-reinigenden Eigenschaften durch Einsatz eines beidseitig aufgetragenen Amino-Biopolymerkomplexes.

Anwendung

Innenanwendung für Wand, Decke und Boden.

Zulassungen

- Zulassung: ETA-03/0050
- Baustoffklasse gem. DIN EN 13501-1: nichtbrennbar, A2

Oberflächen

Vorder- und Rückseiten geschliffen. Aufdruck der Produktionsdaten und Zulassungen auf der Rückseite, Aufdruck des greenline Schriftzugs auf der Vorderseite.

Lagerung

Auf Paletten liegend verpackt, vor Feuchtigkeitseinflüssen, insbesondere Regen, zu schützen.

Verarbeitung

Mit herkömmlichen Holzbearbeitungsmaschinen, beim Zuschnitt sollten generell hartmetallbestückte Werkzeuge eingesetzt werden.

Unterkonstruktionsabstand	
Wand	≤ Dicke der Platten [mm] x 50
Decke	≤ Dicke der Platten [mm] x 35

Beschichtung

Gespachtelte, gestrichene, verputzte oder geflieste Oberflächen, möglichst diffusionsoffen.

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Materialkennwerte	
Rohdichte	1150 ± 50 kg/m ³
Brinellhärte	30 N/mm ²
Ausgleichsfeuchte bei 65% rel. Luftfeuchtigkeit und 20°C Lufttemperatur	1,3 %
Wasserdampf-Diffusionswiderstandszahl	μ = 13
Wärmeleitfähigkeit (nach DIN EN 12664)	λ _{10,tr} = 0,32 W/mK
Dickenquellung nach 24h Wasserlagerung	< 2%
Spezifische Wärmekapazität	c _p = 1100 J/ (kgK)
thermischer Ausdehnungskoeffizient	0,001 %/K
Dehnung/Schwindung bei Veränderung der rel. Luftfeuchtigkeit um 30% (20°C)	0,25 mm/m
PH-Wert	7 - 8

Weitere Daten und Informationen entnehmen Sie bitte der Europäischen Technischen Zulassung ETA-07/0050

Maßtoleranzen bei Ausgleichsfeuchte für Standardplattenformate	
Plattendicken*	10 / 12,5 / 15 / 18 mm
Länge, Breite	+ 0 / - 2 mm
Diagonaldifferenz	≤ 2 mm
Dickentoleranz	± 0,2 mm

*Liefertermin auf Anfrage, Zuschnitte möglich



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Entsorgung

Abfallschlüssel (EAK) 17080 (Baustoffe auf Gipsbasis)

Weitere Hinweise

Unsere Empfehlungen basieren auf umfangreichen Prüfungen und Praxiserfahrungen. Sie ersetzen nicht Richtlinien, Normen, Zulassungen sowie mitgeltende technische Merkblätter. Wegen der Vielzahl möglicher Einflüsse bei der Verarbeitung und der Anwendung empfehlen wir, stets eine Probeverarbeitung und -anwendung vorzunehmen. Aus den Angaben können keine Ersatzansprüche hergeleitet werden. Lieferung, Abwicklung und Gewährleistung auf die von uns zugesicherten Eigenschaften erfolgt gemäß unserer AGB.