



SHI PRODUCT PASSPORT

Find products. Certify buildings.

SHI Product Passport No.:

14136-10-1010

freeAir plus

Product group: Ventilation - Technical building equipment / Sanitary facilities



bluMartin GmbH
Argelsrieder Feld 1b,
82234 Wessling



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	Other products	TVOC $\leq 300 \mu\text{g}/\text{m}^3$ Formaldehyd $\leq 24 \mu\text{g}/\text{m}^3$	Indoor Air Quality Certified
Valid until: 20 March 2027			

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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 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 relevant for assessment

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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			Not relevant for assessment

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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: Herstellererklärung des Lieferanten vom 25.03.2025			

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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 o2 Indoor Air Quality			Not relevant for assessment



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A Swegon Group company

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%BCfkriterien%20f%C3%BCr%20Produkte>

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Technische Daten - freeAir plus

Abmessung Innenfront	25 x 25 cm
Wanddicke	10 bis 22 cm inkl. Putz (unter 12 cm mit beiliegenden Abstandshaltern)
Wanddurchbruch	16 cm rund oder 20 cm (Rohbaublock)
Luftstrom	30 bis 70 m ³ /h
Anschlussspannung	85 bis 265 V AC
Netzsicherung	0,315 A träge (auf Steuerungsleiterplatte)
Netzfrequenz	45 bis 65 Hz
Gesamt-Stromverbrauch	Standby → 0,5 W; 30 m ³ /h → 0,9 W; 50 m ³ /h → 1,4 W; 70 m ³ /h → 2,5 W
Gewicht	3 kg
Schalldruckpegel im Raum	30 m ³ /h → 13 dB (A) (in 1 m Entfernung); 50 m ³ /h → 25 dB (A); 70 m ³ /h → 37 dB (A);
Schalldämm-Maß	33 dB (EN ISO 10140-2; D _{n, e, w})
Regelung	Intelligente Comfort-Regelung mit 5 Level
Luftstromregelung	Automatisch; praktisch stufenlos;
CO ₂ -Regelung (VOC)	Automatisch
Entfeuchtung	Automatisch
Sommerkühlung	Automatisch
Temperaturbereich	0 bis +40°C
Farbe	Kunststoff-Frontplatte RAL 9016 oder Frontplatte grundiert (bestreich-, lackier und gestaltbar)



**SENTINEL HAUS
INSTITUT**

ZERTIFIKAT

Produkte für gesundes Bauen

freeAir plus

Lüftung - Dezentrale Lüftungsanlage



bluMartin GmbH
Argelsrieder Feld 18
82234 Wessling

Dieses Produkt wurde durch das Sentinel Haus Institut geprüft, bewertet und freigegeben. Es erfüllt die Kriterien für gesündere Gebäude. Dieses Produkt ist im Portal für das gesündere Betreiben, Bauen, Sanieren und Renovieren von Gebäuden gelistet.

Gültigkeit bis 20.03.2025

Peter Bachmann
Geschäftsführer und Gründer
Freiburg, den 07.09.2023

Transparente Kriterien unter www.sentinel-haus.de

