

StoSilent Board 100 S

Sustainability

Data for building certification systems

Deutsche Gesellschaft für Nachhaltiges Bauen e.V. (German Sustainable Building Council, DGNB for short)		
ENV1.2, Version 2018 German criteria matrix	Product group:	Does not correspond to any product group
ENV1.2, Version 2023 German criteria matrix	Product group:	Does not correspond to any product group
ENV1.2, Version 2023 German criteria matrix	Product group:	Does not correspond to any product group

Qualitätssiegel Nachhaltiges Gebäude (German Quality Label for Sustainable Building, QNG for short)		
Annex document 313 dated 14 September 2023	Product group:	Does not correspond to any product group

Bewertungssystem Nachhaltiges Bauen (German Assessment System for Sustainable Building, BNB for short)		
BNB_BN 1.1.6, Version 2015	Product group:	Does not correspond to any product group

Leadership in Energy and Environmental Design (LEED v. 4.1)		
VOC content (EQ Credit: Low-emitting materials)	0 g/l Met in accordance with LEED v.4	
VOC emissions (EQ Credit: Low-emitting materials)	Limit value:	In accordance with the Committee for Health-related Evaluation of Building Products (AgBB Germany)
	Degree to which requirements are met:	Met
SVOC emissions (EQ Credit: Low-emitting materials)	Limit value:	In accordance with the Committee for Health-related Evaluation of Building Products (AgBB Germany)
	Degree to which requirements are met:	Met
Formaldehyde emissions (EQ Credit: Low-emitting materials)	Limit value:	≤ 0.01 mg/m³
	Degree to which requirements are met:	Met

Leadership in Energy and Environmental Design (LEED v. 4.1)		
Recycling percentage (post-consumer recycled content) (MR Credit: Sourcing of raw materials)	81 %	
Recycling percentage (pre-consumer recycled content) (MR Credit: Sourcing of raw materials)	0 %	
Renewable raw materials (bio-based materials) (MR Credit: Sourcing of raw materials)	0 %	

Building Research Establishment Environmental Assessment Method (BREEAM)		
VOC content (EQ Credit: Low-emitting materials)	0 g/l Met in accordance with BREEAM	
VOC emissions (Hea 02: indoor air quality)	Limit value:	≤ 0.3 mg/m³
	Degree to which requirements are met:	Met
SVOC emissions (Hea 02: indoor air quality)	Limit value:	≤ 0.1 mg/m³
	Degree to which requirements are met:	Met
Formaldehyde emissions (Hea 02: indoor air quality)	Limit value:	≤ 0.01 mg/m³
	Degree to which requirements are met:	Met
CMR emissions (Hea 02: indoor air quality)	Limit value:	≤ 0.001 mg/m³
	Degree to which requirements are met:	Met

EU Taxonomy Regulation (EU) 2020/852	
Compliant with Annex C	Met
Note	This statement is based on the formulation data of Sto SE & Co. KGaA and information from our upstream suppliers.

EU Taxonomy Regulation (EU) 2020/852		
Formaldehyde emissions	Limit value:	≤ 0.06 mg/m³
	Degree to which requirements are met:	Met
Other carcinogenic VOCs in categories 1A and 1B (CMR)	Limit value:	≤ 0.001 mg/m³
	Degree to which requirements are met:	Met
Compliant with minimum social requirements (human rights, German Supply Chain Due Diligence Act, etc.)	https://www.sto.de/s/unternehmen/compliance	

Eco-labels and environmental labels

Eco-label, certificates		
Eco-label, certificates	TÜV SÜD; Zertifikat 24-S1428-83; ausgestellt am 21.10.2024 Französische VOC-Verordnung: Einstufung A+	
ISO certification 9001, 14001, 50001	https://www.sto.de/s/unternehmen/managementsysteme	
Environmental Product Declaration (EPD)	EPD-Kiwa-EE-245282-EN	
Product-specific working life (in accordance with BNB service life table)	Years:	> 50 years
	Application range:	Interiors
Product-specific working life (in accordance with EPD)	Years:	> 50 years
	Application range:	Interiors
GISCODE	See SDS (section 15)	

emissions test	
Report type:	Individual audit report
Report number:	24-S1428-083

emissions test	
report date:	21.10.2024

Product ingredients

Organic component (in accordance with natureplus / baubook)	>5%	
Hazardous substances (in accordance with EU regulations)	Not determined	
CMR substances (VOC)	Cannot be determined (limit of quantification: 1 mg/kg) (in accordance with DIN EN ISO 17895)	
VOC content (in accordance with Directive 2004/42/CE)	Not subject to the directive	
Solvent (in accordance with VdL Directive 01)	Content:	< 700 mg/kg solvent-free
	Base:	See test report
Plasticiser (in accordance with VdL Directive 01)	Content:	< 500 mg/kg Plasticiser-free
	Base:	See test report
Free formaldehyde (in accordance with VdL Directive 01)	Content:	< 2 mg/kg Formaldehyde-free
	Base:	See test report
Biocide(s), active substance(s) for protection of the coating (in accordance with Regulation (EU) No 528/2012)	Not present	
Biocide(s), active substance(s) for protection of the product during storage (in accordance with Regulation (EU) No 528/2012)	Not present	
Heavy metals	Not assessed	

Compliant with the emissions restrictions of the titanium dioxide industry (in accordance with Directive 2010/75/EU and 25th Ordinance for the Implementation of the Federal Immission Control Act)	Not applicable, as titanium dioxide is not present in the product	
SVHC in accordance with the REACH chemicals regulation (EC/1907/2006), Annex XIV	Content:	<0,1%
	Base:	See test report

Carbon footprint

A1-A3 (cradle to gate – manufacturing)	3.42 kg CO_2e / kg
A4 (transport from manufacturer to site)	0.75 kg CO_2e / kg
A1-C4 (cradle to grave – life cycle)	6.32 kg CO_2e / kg
D (Benefits and loads beyond the system boundary)	7.38 kg CO_2e / kg
A1-D (cradle to cradle – life cycle including benefit)	13.7 kg CO_2e / kg

Disposal, reuse, recycling

Recycling of site residue	Correctly sorted, clean material can be recycled
	See SDS (section 13)
Recycling of dismantled building material	Can be reworked
	See Environmental Product Declaration (EPD)
Recycling of packaging material	Can be reused or recycled
	See https://www.sto.de/s/service-tools/entsorgung

Circular economy at Sto	Https://www.sto.de/s/nachhaltigkeit/kreislaufwirtschaft

Corporate responsibility at Sto

Guiding principles, management of the company	Sto's vision is to be the technology leader in the sustainable design of living space tailored to human needs. Worldwide. For further information please visit: www.sto.com
UN Global Compact - membership	Sto is a member of the UN Global Compact and is committed to upholding ten universally acknowledged principles taken from the areas of human rights, labour standards, environmental protection, and anti-corruption. For further information please visit: www.unglobalcompact.org
Supplier code of conduct	Https://www.sto.de/cepcom/de/Dokumente/Unternehmen/Lieferanten/Sto-Supplier-Code-of-Conduct_01_12-23-(1).pdf

Notes

Version	16
Creation and use	The information and data contained in this sustainability data sheet is based on our knowledge and experience. The publication of a new sustainability data sheet invalidates all previous versions. Please observe the information in the Technical Data Sheet and Safety Data Sheet. The latest version is available on the Internet. Formulations are subject to change!

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