

# Sustainability Data Sheet



## StoSilent Board 100 S

**Acoustic panel made of expanded glass granulate for suspended ceiling and wall structures**

For product description see Technical Data Sheet (if available)

### Information for building certifications in accordance with DGNB

<b>Quality level (ENV1.2, in accordance with the criteria matrix, DGNB System Version 2018)</b>	Does not correspond to any product group according to DGNB
<b>Quality level (ENV1.2, in accordance with the criteria matrix, DGNB System Version 2023)</b>	Does not correspond to any product group according to DGNB
<b>Product-specific LCA values (ENV 1.1 and ENV 2.1)</b>	in accordance with EPD
<b>Product-specific life cycle (ECO1.1)</b>	> 50 years if applied in interiors (in accordance with BNB)
<b>Impact on acoustic comfort (SOC1.3)</b>	sound absorption coefficient
<b>Cleaning instructions (PRO1.5 and TEC1.5)</b>	see Technical Data Sheet
<b>Easy to recycle building material selection (TEC1.6)</b>	recycling is technically possible

### Information for building certifications in accordance with LEED

<b>VOC content (EQ Credit: Low-emitting materials)</b>	does not contain VOC Met in accordance with LEED v.4
<b>VOC and SVOC emissions (EQ Credit: Low-emitting materials)</b>	TÜV SÜD Met in accordance with LEED v.4
<b>Formaldehyde emissions</b>	TÜV SÜD Met in accordance with LEED v.4
<b>Recyclable percentage (post-consumer recycled content) (MR Credit: Sourcing of raw materials)</b>	81 %
<b>Recyclable percentage (pre-consumer recycled content) (MR Credit: Sourcing of raw materials)</b>	0 %

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**Renewable raw materials (bio-based materials)**  
(MR Credit: Sourcing of raw materials)

0 %

### Information for building certifications in accordance with BREEAM

**Formaldehyde (Hea 02: indoor air quality)**

limit of quantification  $\leq 0.01 \text{ mg/m}^3$  (excellent quality)  
below the limit of quantification, see test report

**VOC content (Hea 02: indoor air quality)**

does not contain VOC

**VOC emissions (Hea 02: indoor air quality)**

limit of quantification  $\leq 0.3 \text{ mg/m}^3$  (excellent quality)  
below the limit of quantification, see test report

**SVOC emissions (Hea 02: indoor air quality)**

limit of quantification  $\leq 0.1 \text{ mg/m}^3$  (excellent quality)  
below the limit of quantification, see test report

**CMR substances (Hea 02: indoor air quality)**

limit of quantification  $\leq 0.001 \text{ mg/m}^3$  (excellent quality)  
below the limit of quantification, see test report

### Eco-labels and environmental labels

**Certificates, eco-label, environmental label**

TÜV SÜD - testing for health-relevant ingredients and emissions, regular product and process monitoring, inspection of input materials  
([www.tuvsud.com/schadstoffpruefung-bauprodukte](http://www.tuvsud.com/schadstoffpruefung-bauprodukte))



Declaration of conformity No. ECO-FR-256



ecobau Certificate 202403.13101

**Environmental Product Declaration (EPD)**



EPD-Kiwa-EE-140610

**GISCODE (in accordance with GISBAU)**

**Safety Data Sheet (SDS)**

not available

**Technical Data Sheet (TDS)**

available

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### Product ingredients

#### Composition

not collected

#### Organic component (in accordance with natureplus, baubook)

not known

#### Hazardous substances (in accordance with EU regulations)

not present

#### 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 guideline

#### Plasticiser

not assessed

#### Free formaldehyde

formaldehyde-free in accordance with VdL Guideline 01

#### 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

#### Compliance 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 chemicals regulation REACH (EG/1907/2006), notes XIV

not present

### Emissions, CO2 balance sheet

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<b>Carbon dioxide value (manufacturing A1-A3) (cradle-to-gate)</b>	3,88 kg CO <sub>2</sub> e / m <sup>2</sup>
<b>Carbon dioxide value (life cycle A1-D)</b>	6,92 kg CO <sub>2</sub> e / m <sup>2</sup>
<b>Semi-volatile organic compounds SVOCs</b>	≤ 0.01 mg/m <sup>3</sup> (see test report)
<b>Disposal, re-use, recycling</b>	
<b>Disposal of residue</b>	correctly sorted, clean material can be recycled
<b>Disposal of dismantled building material</b>	can be reworked or recycled as building materials, refer to EPD chapter 2.14 and 2.15
<b>Packaging, pallets, films</b>	The return of used packaging and its correct recycling is organised and certified in accordance with the statutory requirements with a regional disposal company.
<b>Sto corporate responsibility</b>	
<b>Guiding principles, management of the company</b>	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: <a href="http://www.sto.com">www.sto.com</a>
<b>UN Global Compact - membership</b>	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: <a href="http://www.unglobalcompact.org">www.unglobalcompact.org</a>
<b>ILO fundamental conventions</b>	Sto has committed itself to adhering to the ILO fundamental conventions at all of its locations.
<b>Quality management, environmental management, energy management</b>	Production location certified in accordance with DIN EN 9001, DIN EN 14001, and DIN EN 50001.
<b>Supplier code of conduct</b>	The Sto Supplier Code of Conduct is based on the principles of the UN Global Compact and the Sto Guiding Principles. Suppliers must adhere to these and are continuously evaluated.

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This document aims to help you better assess the sustainability of our products. We consider sustainability to be a complex process that involves bringing together economic, ecological, and social criteria in order to satisfy the needs of current and future generations. Our products aim to contribute to this, while also meeting the requirements placed on them with respect to well-being, quality, and functionality. We regard sustainability as a process of continuous improvement, not one with an end result. With this in mind, we have defined the following core statements for our products:

1. Sto products make a contribution to key aspects of sustainability: e.g. climate protection, building, energy, and resource efficiency, protection and durability, health, and well-being.
2. All of the raw materials used in Sto products fulfil the functions for their application and are optimised with respect to their impact on the environment - based on the latest technology.
3. Sto products are produced in an energy and resource-efficient manner; renewable raw materials are used when appropriate and acceptable from an ecological, economical, and social perspective.
4. Sto evaluates and promotes the potential to dispose of, reuse, and recycle its products, taking technological and economical feasibility into account.

It is not just down to us to determine how the sustainability of our products is interpreted and evaluated - your opinions and decisions also play a role. The information listed here, which has the environment and health as its main focus, aims to assist you in this regard.

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.

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