

Sustainability Data Sheet

StoSilent Filler



Porous joint filler made of expanded glass granulate

For product description see Technical Data Sheet (if available)

Information for building certifications in accordance with DGNB

Quality level (ENV1.2, in accordance with the criteria matrix, DGNB System Version 2018)

no. 2: coatings mainly on mineral substrates in interiors (decorative paints, primers, decorative fillers): meet quality level 4 - solvent-free and plasticiser-free (in accordance with VdL guideline 01) or DE-UZ 102

Quality level (ENV1.2, in accordance with the criteria matrix, DGNB System Version 2023)

No. 2: coatings mainly on mineral substrates in interiors (decorative paints, primers, decorative fillers, as well as deep-acting primers, floor coatings without any special resistance requirements, concrete lasures): meets quality level 4 – solvent-free, plasticiser-free, and preservative-free (in accordance with VdL guideline 01) or equivalence with DE-UZ 102 in relation to the VOC/SVOC content and preservatives

Product-specific LCA values (ENV 1.1 and ENV 2.1)

in accordance with EPD

Product-specific life cycle (ECO1.1)

> 50 years if applied in interiors (in accordance with BNB)

Impact on acoustic comfort (SOC1.3)

sound absorption coefficient

Cleaning instructions (PRO1.5 and TEC1.5)

see Technical Data Sheet

Easy to recycle building material selection (TEC1.6)

can be reworked

Information for building certifications in accordance with LEED

VOC content (EQ Credit: Low-emitting materials)

0 g/l (without water) calculated according to the SCAQMD METHOD 304-91 (5.1)
Met in accordance with LEED v.4

VOC and SVOC emissions (EQ Credit: Low-emitting materials)

TÜV SÜD system test report
Met in accordance with LEED v.4

Formaldehyde emissions

TÜV SÜD system test report
Not met in accordance with LEED v.4

Sustainability Data Sheet



StoSilent Filler

Recyclable percentage (post-consumer recycled content) (MR Credit: Sourcing of raw materials) 0 %

Recyclable 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 %

Information for building certifications in accordance with BREEAM

Formaldehyde (Hea 02: indoor air quality) limit of quantification $\leq 0.06 \text{ mg/m}^3$
below the limit of quantification, see system test report

VOC content (Hea 02: indoor air quality) see Safety Data Sheet (section 15)

VOC emissions (Hea 02: indoor air quality) limit of quantification $\leq 1.0 \text{ mg/m}^3$
below the limit of quantification, see system 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 system 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 system test report

Eco-labels and environmental labels

Certificates, eco-label, environmental label



Declaration of conformity No. ECO-FR-111

Environmental Product Declaration (EPD)



EPD-DBC-20220217-IBF1-EN

GISCODE (in accordance with GISBAU)

not collected

Safety Data Sheet (SDS)

available

Technical Data Sheet (TDS)

available

Sustainability Data Sheet



StoSilent Filler

Product ingredients

Composition

polymer powder
mineral extenders
aluminium hydroxide
Thickener
surface additive
wetting agents

Organic component (in accordance with natureplus, baubook)

> 5 %

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

plasticiser-free (materials in accordance with VdL guideline 01), (after formulation evaluation)

Free formaldehyde

not included (after formulation evaluation)

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

Sustainability Data Sheet



StoSilent Filler

SVHC in accordance with the chemicals regulation REACH (EG/1907/2006), notes XIV

not present

Emissions, CO2 balance sheet

Carbon dioxide value (manufacturing A1-A3) (cradle-to-gate)

0,49 kg CO2e / kg

Carbon dioxide value (life cycle A1-D)

0,64 kg CO2e / kg

Semi-volatile organic compounds SVOCs

≤ 0.01 mg/m³ (see test report)

Disposal, re-use, recycling

Disposal of residue

correctly sorted, clean material can be recycled
see Safety Data Sheet (section 13)

Disposal of dismantled building material

can be reworked or recycled as building materials,
refer to EPD chapter 2.14 and 2.15

Packaging, pails, films

The return of used packaging and its correct recycling is organised and certified in accordance with the statutory requirements with a regional disposal company.

Sto corporate responsibility

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

ILO fundamental conventions

Sto has committed itself to adhering to the ILO fundamental conventions at all of its locations.

Quality management, environmental management, energy management

Production location certified in accordance with DIN EN 9001, DIN EN 14001, and DIN EN 50001.

Sustainability Data Sheet

StoSilent Filler



Supplier code of conduct

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.

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.

Sto SE & Co. KGaA
Ehrenbachstr. 1
D - 79780 Stühlingen
Phone: 07744 57-0
infoservice@sto.com
www.sto.de