

Sustainability Data Sheet



Sto-Formflex Acryl

High-quality, plasto-elastic, single-component sealant

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. 12: small-area bonding of mechanically stressed joints: meets quality level 4 - chlorinated paraffins < 0.1 %, solvent < 1 %, and hydrocarbon plasticisers < 0.1 % (in accordance with TRGS 610),
 No. 13: installation adhesives and sealants on facades, windows, and exterior doors: meets quality level 4 - chlorinated paraffins < 0.1 %, and < 0.1 % halogenated foaming agents, and EMICODE EC1 / EC1+ / EC1-R / EC1+-R, or volatile organic compound < 1 %

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

No. 11: bonding and sealing in interiors (not included: glass construction, facade, and fire protection): meets quality level 4 – GISCODE PU10 / PU20 / RS10 / DA20 / DSE20 / DSA20 / DSO20 or DH20 and EMICODE EC1+
 no. 13: installation adhesives and sealants on facades, windows, and exterior doors: meets quality level 4 – chlorinated paraffins (SCCPs + MCCPs + LCCPs) < 0.1 %, and < 0.1 % halogenated foaming agents, and EMICODE EC1+, or volatile organic compound < 1 %

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

in accordance with EPD

Product-specific life cycle (ECO1.1)

20 years in interior application (in accordance with BNB),
 12 years in exterior application (in accordance with BNB)

Impact on acoustic comfort (SOC1.3)

not assessed

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)

see Safety Data Sheet (section 15)
 in accordance with Directive 2004/42/CE
 Met in accordance with LEED v.4

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VOC and SVOC emissions (EQ Credit: Low-emitting materials)	Met in accordance with LEED v.4
Formaldehyde emissions	Not met in accordance with LEED v.4
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 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 $\leq 0.3 \text{ mg/m}^3$ (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	 EMICODE® EC1 Plus - Licensing-No. 15879/15.05.06
Environmental Product Declaration (EPD)	 EPD-DBC-20220146-IBF1-EN
GISCODE (in accordance with GISBAU)	DA20

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Safety Data Sheet (SDS)	available
Technical Data Sheet (TDS)	available
Product ingredients	
Composition	not collected
Organic component (in accordance with natureplus, baubook)	not collected
Hazardous substances (in accordance with EU regulations)	See Safety Data Sheet (section 3)
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)	see Safety Data Sheet (section 15)
Plasticiser	plasticiser-free (materials in accordance with VdL guideline 01), (after formulation evaluation)
Free formaldehyde	not collected
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

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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)	1,32 kg CO2e / kg
Carbon dioxide value (life cycle A1-D)	2,1 kg CO2e / kg
Semi-volatile organic compounds SVOCs	see Environmental Product Declaration (EPD)
Disposal, re-use, recycling	
Disposal of residue	see Safety Data Sheet (section 13)
Disposal of dismantled building material	can be reworked, 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.

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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.

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