



StoSeal F 100

Sustainability

Data for building certification systems

Deutsche Gesellschaft für Nachhaltiges Bauen e.V. (German Sustainable Building Council, DGNB for short)		
ENV1.2, Version 2018	Product group:	No. 12: Small-area bonding of mechanically stressed joints
	Quality level:	Meets quality level 4 – Chlorinated paraffins < 0.1 %, solvents < 1 %, and hydrocarbon plasticisers < 0.1 % (in accordance with TRGS 610)
	Product group:	No. 13: Installation adhesives and sealants on facades, windows, and exterior doors
	Quality level:	Meets quality level 4 – Chlorinated paraffines < 0.1 %, and < 0.1 % halogenated propellants, and EMICODE EC1, EC1+, EC1-R, EC1+-R, or VOC < 1 %
ENV1.2, Version 2023	Product group:	No. 11: Bonding and sealing in interiors (not included: glass construction, facade, and fire protection)
	Quality level:	Meets quality level 4 – GISCODE PU10, PU20, RS10, DA20, DSE20, DSA20, DSO20, or DH20 and EMICODE EC1+
	Product group:	No. 13: Installation adhesives and sealants on facades, windows, and exterior doors
	Quality level:	Meets quality level 4 – Chlorinated paraffines (SCCPs + MCCPs + LCCPs) < 0.1 %, and halogenated propellants < 0.1 %, and EMICODE EC1+ or VOC < 1 %
ENV1.2, Version 2023	Product group:	no. 11: interior sealants and adhesives (acrylate sealants/adhesives, silicone sealants, PUR adhesives, and silane-modified polymers (SMP))
	Quality level:	meets quality level 4 – GISCODE D1 / PU10 (old and new) / PU20 (old and new) / RS10 / DA20 / DSE20 / DSA20 / DSO20 / DH20 or DSC20 and emissions compliance after 28 days < EMICODE EC1+
	Product group:	no. 13: adhesives and sealants designed to make facades airtight (PUR, hybrid PUR, MS polymer, SMP, acrylate, silicone)
	Quality level:	meets quality level 4 – chlorinated paraffines (SCCPs + MCCPs + LCCPs) < 0.1 % and emissions compliance after 28 days < EMICODE EC1+ or VOC < 1 %

Qualitätssiegel Nachhaltiges Gebäude (German Quality Label for Sustainable Building, QNG for short)

Annex document 313 dated 14 September 2023	Product group:	No. 4.2: Adhesives and sealants applied on site based on PUR, hybrid PUR, and SMP (silane-modified polymer) formulations in interiors
	Quality level:	Met – Chlorinated paraffines, TCEP, PBB, and PBDE ≤ 0.10 % and solvent-free or GISCODE PU10, PU20, PU40 (OLD) or PU50 (OLD)
	Product group:	No. 4.5: Adhesives for thermal insulants on facades and roofs (dispersion adhesives and PUR adhesives)
	Quality level:	Met – VOC ≤ 40.0 g/l and chlorinated paraffines ≤ 0.10 %

Bewertungssystem Nachhaltiges Bauen (German Assessment System for Sustainable Building, BNB for short)

BNB_BN 1.1.6, Version 2015	Product group:	No. 8: Adhesives and sealants made of PUR, SMP (silane-modified polymers), acrylate (including dispersion adhesives), or silicone
	Quality level:	Meets quality level 5 – No amine or oxime-interlacing silicones; the following also applies: equivalent to DE-UZ 123 regarding VOC, hazardous substances, and biocides, or EMICODE EC1 or EC1+, and chlorinated paraffines < 0.1 % (see Annex 2, A)
	Product group:	No. 6b: Dispersion adhesives and PUR adhesives
	Quality level:	Meets quality level 5 – VOC < 40 g/l and chlorinated paraffins < 0.1 % (see Annex 2, A)

Leadership in Energy and Environmental Design (LEED v. 4.1)

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 v4	
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/m ³
	Degree to which requirements are met:	Not met

Leadership in Energy and Environmental Design (LEED v. 4.1)

Recycling percentage (post-consumer recycled content) (MR Credit: Sourcing of raw materials)	0 %
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 (Without water) calculated according to the SCAQMD METHOD 304-91 (5.1) Met in accordance with BREEAM	
VOC emissions (Hea 02: indoor air quality)	Limit value:	$\leq 0.3 \text{ mg/m}^3$
	Degree to which requirements are met:	Met
SVOC emissions (Hea 02: indoor air quality)	Limit value:	
	Degree to which requirements are met:	Met
Formaldehyde emissions (Hea 02: indoor air quality)	Limit value:	
	Degree to which requirements are met:	Met
CMR emissions (Hea 02: indoor air quality)	Limit value:	$\leq 0.001 \text{ mg/m}^3$
	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:	
	Degree to which requirements are met:	Met
Other carcinogenic VOCs in categories 1A and 1B (CMR)	Limit value:	$\leq 0.001 \text{ mg/m}^3$
	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

ISO certification 9001, 14001, 50001	https://www.sto.de/s/unternehmen/managementsysteme	
Environmental Product Declaration (EPD)	EPD-FEI-20220021-IBG1-EN	
Product-specific working life (in accordance with BNB service life table)	Years:	> 50 years
	Application range:	Interiors
	Years:	> 50 years
	Application range:	exterior
Product-specific working life (in accordance with EPD)	Years:	> 50 years
	Application range:	Interiors
	Years:	> 50 years
	Application range:	exterior
GISCODE	See SDS (section 15)	

Product ingredients

Organic component (in accordance with natureplus / baubook)	>5%	
Hazardous substances (in accordance with EU regulations)	See SDS (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)	Not subject to the directive	
Solvent (in accordance with VdL Directive 01)	Content:	< 700 mg/kg solvent-free
	Base:	According to formulation evaluation
Plasticiser (in accordance with VdL Directive 01)	Content:	< 500 mg/kg Plasticiser-free
	Base:	According to formulation evaluation
Free formaldehyde (in accordance with VdL Directive 01)	Content:	< 2 mg/kg Formaldehyde-free
	Base:	According to 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	
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:	According to formulation evaluation

Carbon footprint

A1-A3 (cradle to gate – manufacturing)	4.79 kg CO ₂ e / kg
A4 (transport from manufacturer to site)	0.053 kg CO ₂ e / kg
A1-C4 (cradle to grave – life cycle)	7.245 kg CO ₂ e / kg
D (Benefits and loads beyond the system boundary)	-0.95 kg CO ₂ e / kg
A1-D (cradle to cradle – life cycle including benefit)	6.295 kg CO ₂ e / 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
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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	08
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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