



# Sto-Formflex Acrylic

## Sustainability

### Data for building certification systems

<b>Deutsche Gesellschaft für Nachhaltiges Bauen e.V. (German Sustainable Building Council, DGNB for short)</b>		
<b>ENV1.2, Version 2018</b>	Product group:	No. 12: Small-area bonding of mechanically stressed joints
	Quality level:	Meets quality level 4 – Chlorinated paraffines < 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 %
<b>ENV1.2, Version 2023</b>	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 %

<b>Qualitätssiegel Nachhaltiges Gebäude (German Quality Label for Sustainable Building, QNG for short)</b>		
<b>Annex document 313 dated 14 September 2023</b>	Product group:	No. 4.1: Adhesives and sealants applied on site (acrylates and silicones) in interiors
	Quality level:	Met – Chlorinated paraffines ≤ 0.10 % and biocidal substances in silicones declaration
	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)**

<b>BNB_BN 11.6, Version 2015</b>	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)**

<b>VOC content (EQ Credit: Low-emitting materials)</b>	16.5 g/l Calculated in accordance with the Decopaint Directive 2004/42/CE Met in accordance with LEED v4	
<b>VOC emissions (EQ Credit: Low-emitting materials)</b>	Limit value:	In accordance with the Committee for Health-related Evaluation of Building Products (AgBB Germany)
	Degree to which requirements are met:	Met
	Test institute:	EMICODE EC1+
	Report type:	Individual audit report
	Report number:	15879/15.05.06
<b>SVOC emissions (EQ Credit: Low-emitting materials)</b>	Limit value:	In accordance with the Committee for Health-related Evaluation of Building Products (AgBB Germany)
	Degree to which requirements are met:	Met
	Test institute:	EMICODE EC1+
	Report type:	Individual audit report
	Report number:	15879/15.05.06
<b>Formaldehyde emissions (EQ Credit: Low-emitting materials)</b>	Limit value:	≤ 0.01 mg/m <sup>3</sup>

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

	Degree to which requirements are met:	Not met
	Test institute:	EMICODE EC1+
	Report type:	Individual audit report
	Report number:	15879/15.05.06
<b>Recycling percentage (post-consumer recycled content) (MR Credit: Sourcing of raw materials)</b>	0 %	
<b>Recycling percentage (pre-consumer recycled content) (MR Credit: Sourcing of raw materials)</b>	0 %	
<b>Renewable raw materials (bio-based materials) (MR Credit: Sourcing of raw materials)</b>	0 %	

**Building Research Establishment Environmental Assessment Method (BREEAM)**

<b>VOC content (EQ Credit: Low-emitting materials)</b>	16.5 g/l Calculated in accordance with the Decopaint Directive 2004/42/CE Met in accordance with BREEAM	
<b>VOC emissions (Hea 02: indoor air quality)</b>	Limit value:	≤ 0.3 mg/m <sup>3</sup>
	Degree to which requirements are met:	Met
	Test institute:	EMICODE EC1+
	Report type:	Individual audit report
	Report number:	15879/15.05.06
<b>SVOC emissions (Hea 02: indoor air quality)</b>	Limit value:	

### Building Research Establishment Environmental Assessment Method (BREEAM)

	Degree to which requirements are met:	Met
	Test institute:	EMICODE EC1+
	Report type:	Individual audit report
	Report number:	15879/15.05.06
<b>Formaldehyde emissions (Hea 02: indoor air quality)</b>	Limit value:	
	Degree to which requirements are met:	Met
	Test institute:	EMICODE EC1+
	Report type:	Individual audit report
	Report number:	15879/15.05.06
<b>CMR emissions (Hea 02: indoor air quality)</b>	Limit value:	$\leq 0.001 \text{ mg/m}^3$
	Degree to which requirements are met:	Met
	Test institute:	EMICODE EC1+
	Report type:	Individual audit report
	Report number:	15879/15.05.06

### EU Taxonomy Regulation (EU) 2020/852

<b>Compliant with Annex C</b>	Met	
<b>Note</b>	This statement is based on the formulation data of Sto SE & Co. KGaA and information from our upstream suppliers.	
<b>Formaldehyde emissions</b>	Limit value:	
	Degree to which requirements are met:	Met
	Test institute:	EMICODE EC1+
	Report type:	Individual audit report
	Report number:	15879/15.05.06

### EU Taxonomy Regulation (EU) 2020/852

<b>Other carcinogenic VOCs in categories 1A and 1B (CMR)</b>	Limit value:	≤ 0.001 mg/m <sup>3</sup>
	Degree to which requirements are met:	Met
	Test institute:	EMICODE EC1+
	Report type:	Individual audit report
	Report number:	15879/15.05.06
<b>Compliant with minimum social requirements (human rights, German Supply Chain Due Diligence Act, etc.)</b>	<a href="https://www.sto.de/s/unternehmen/compliance">https://www.sto.de/s/unternehmen/compliance</a>	

### Eco-labels and environmental labels

#### Eco-label, certificates

<b>ISO certification 9001, 14001, 50001</b>	<a href="https://www.sto.de/s/unternehmen/managementsysteme">https://www.sto.de/s/unternehmen/managementsysteme</a>	
<b>Environmental Product Declaration (EPD)</b>	EPD-DBC20220146-IBF1-EN	
<b>Product-specific working life (in accordance with BNB service life table)</b>	Years:	> 50 years
	Application range:	Interiors
	Years:	> 50 years
	Application range:	exterior
<b>Product-specific working life (in accordance with EPD)</b>	Years:	> 50 years
	Application range:	Interiors
	Years:	> 50 years
	Application range:	exterior
<b>GISCODE</b>	See SDS (section 15)	

### Product ingredients

<b>Organic component (in accordance with natureplus / baubook)</b>	>5%	
<b>Hazardous substances (in accordance with EU regulations)</b>	See SDS (section 3)	
<b>CMR substances (VOC)</b>	Cannot be determined (limit of quantification: 1 mg/kg) (in accordance with DIN EN ISO 17895)	
<b>VOC content (in accordance with Directive 2004/42/CE)</b>	16,5 g/l	
<b>Solvent (in accordance with VdL Directive 01)</b>	Content:	> 700 mg/kg Not solvent-free
	Base:	According to formulation evaluation
<b>Plasticiser (in accordance with VdL Directive 01)</b>	Content:	< 500 mg/kg Plasticiser-free
	Base:	According to formulation evaluation
<b>Free formaldehyde (in accordance with VdL Directive 01)</b>	Content:	< 2 mg/kg Formaldehyde-free
	Base:	According to formulation evaluation
<b>Biocide(s), active substance(s) for protection of the coating (in accordance with Regulation (EU) No 528/2012)</b>	Not present	
<b>Biocide(s), active substance(s) for protection of the product during storage (in accordance with Regulation (EU) No 528/2012)</b>	Present, see SDS (section 2)	
<b>Heavy metals</b>	Not assessed	
<b>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)</b>	Not applicable, as titanium dioxide is not present in the product	

<b>SVHC in accordance with the REACH chemicals regulation (EC/1907/2006), Annex XIV</b>	Content:	<0,1%
	Base:	According to formulation evaluation

## Carbon footprint

<b>A1-A3 (cradle to gate – manufacturing)</b>	1.32 kg CO <sub>2</sub> e / kg
<b>A4 (transport from manufacturer to site)</b>	0.051 kg CO <sub>2</sub> e / kg
<b>A1-C4 (cradle to grave – life cycle)</b>	2.502 kg CO <sub>2</sub> e / kg
<b>D (Benefits and loads beyond the system boundary)</b>	-0.398 kg CO <sub>2</sub> e / kg
<b>A1-D (cradle to cradle – life cycle including benefit)</b>	2.104 kg CO <sub>2</sub> e / kg

## Disposal, reuse, recycling

<b>Recycling of site residue</b>	Correctly sorted, clean material can be recycled
	See SDS (section 13)
<b>Recycling of dismantled building material</b>	Can be reworked
	See Environmental Product Declaration (EPD)
<b>Recycling of packaging material</b>	Can be reused or recycled
	See <a href="https://www.sto.de/s/service-tools/entsorgung">https://www.sto.de/s/service-tools/entsorgung</a>
<b>Circular economy at Sto</b>	<a href="https://www.sto.de/s/nachhaltigkeit/kreislaufwirtschaft">https://www.sto.de/s/nachhaltigkeit/kreislaufwirtschaft</a>

## Corporate responsibility at Sto

<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>
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<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>Supplier code of conduct</b>	<a href="https://www.sto.de/cepcom/de/Dokumente/Unternehmen/Lieferanten/Sto-Supplier-Code-of-Conduct_01_12-23-(1).pdf">https://www.sto.de/cepcom/de/Dokumente/Unternehmen/Lieferanten/Sto-Supplier-Code-of-Conduct_01_12-23-(1).pdf</a>

## Notes

<b>Version</b>	08
<b>Creation and use</b>	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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