



StoAqua Emaile PU Satin Airless

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. 1: Coatings on non-mineral substrates
	Quality level:	Meets quality level 4 – Equivalent to DE-UZ 12a regarding VOC content (in accordance with Directive 2004/42/CE)
ENV1.2, Version 2023	Product group:	No. 1: Coatings on non-mineral substrates
	Quality level:	Meets quality level 4 – Equivalent to DE-UZ 12a regarding VOC content (in accordance with Directive 2004/42/CE) / with factory-made coating, the following applies as an alternative: VOC < 100 g/l
ENV1.2, Version 2023	Product group:	no. 1: decorative lacquers and lasures applied on site
	Quality level:	Meets quality level 4 – interior applications: compliance with VOC-requirements in accordance with DE-UZ 12a or emissions after 28 days < DE-UZ 12a, exterior applications: VOC <100g/l

Qualitätssiegel Nachhaltiges Gebäude (German Quality Label for Sustainable Building, QNG for short)		
Annex document 313 dated 14 September 2023	Product group:	No. 6.1: Coatings applied on site to timber, metal, and plastic in interiors and exteriors
	Quality level:	Met – VOC ≤ 130.0 g/l (water-based formulation) and no pigments and driers based on lead, cadmium, and chromium (VI) compounds
Proposal for assignment: LCA calculation values for QNG Sustainable Building Certification	8.21 Water-based coating material white	

Bewertungssystem Nachhaltiges Bauen (German Assessment System for Sustainable Building, BNB for short)		
BNB_BN 1.1.6, Version 2015	Product group:	No. 3a: Lacquers, lasures, stains incl. primers (coatings on non-mineral surfaces in interiors and exteriors)
	Quality level:	Meets quality level 5 – Equivalent to DE-UZ 12a regarding VOC, hazardous substances, biocides, and heavy metals

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

VOC content (EQ Credit: Low-emitting materials)	40.1 g/l Calculated in accordance with the Decopaint Directive 2004/42/CE Met in accordance with LEED v4	
VOC emissions (EQ Credit: Low-emitting materials)	Requirement:	Not collected Not relevant for use in exterior areas
SVOC emissions (EQ Credit: Low-emitting materials)	Requirement:	Not collected Not relevant for use in exterior areas
Formaldehyde emissions (EQ Credit: Low-emitting materials)	Requirement:	Not collected Not relevant for use in exterior areas
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)	40.1 g/l Calculated in accordance with the Decopaint Directive 2004/42/CE Met in accordance with LEED v4	
VOC emissions (Hea 02: indoor air quality)	Requirement:	Not collected Not relevant for use in exterior areas
SVOC emissions (Hea 02: indoor air quality)	Requirement:	Not collected Not relevant for use in exterior areas
Formaldehyde emissions (Hea 02: indoor air quality)	Requirement:	Not collected Not relevant for use in exterior areas

Building Research Establishment Environmental Assessment Method (BREEAM)

CMR emissions (Hea 02: indoor air quality)	Requirement:	Not collected Not relevant for use in exterior areas
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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.	
Formaldehyde emissions	Requirement:	Not collected Not relevant for use in exterior areas
Other carcinogenic VOCs in categories 1A and 1B (CMR)	Requirement:	Not collected Not relevant for use in exterior areas
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	
Product-specific working life (in accordance with BNB service life table)	Years:	20 years
	Application range:	Interiors
	Years:	12 years
	Application range:	exterior
GISCODE	See SDS (section 15)	

Product ingredients

Organic component (in accordance with natureplus / baubook)	>5%
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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)	40,1 g/l	
Solvent (in accordance with VdL Directive 01)	Content:	Not solvent-free > 700 mg/kg
	Base:	According to formulation evaluation
Plasticiser (in accordance with VdL Directive 01)	Content:	Plasticiser-free < 500 mg/kg
	Base:	According to formulation evaluation
Free formaldehyde (in accordance with VdL Directive 01)	Content:	Formaldehyde-free < 2 mg/kg
	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)	Present, see SDS (section 2)	
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)	Yes	

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

Carbon footprint

Disposal, reuse, recycling

Recycling of site residue	Can be fed to a collection system for material recycling
	See SDS (section 13)
Recycling of dismantled building material	Can be reworked
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
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	01
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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