StoColor Opticryl Gloss

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. 2: Coatings mainly on mineral substrates in interiors (decorative paints, primers, decorative fillers)
	Quality level:	meets quality level 4 – solvent-free and plasticiser-free and preservative-free (in accordance with VdL Directive 01) or equivalent to DE-UZ 102 regarding VOC/SVOC content as well as preservatives
ENV1.2, Version 2023	Product group:	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)
	Quality level:	Meets quality level 2 – VOC content < 30 g/l (in accordance with Directive 2004/42/CE)
ENV1.2, Version 2023	Product group:	no. 2: interior paints (paints, lasures, primers)
	Quality level:	meets quality level 2 – VOC content <30g/l (in accordance with Directive 2004/42/CE) or emissions compliance after 28 days < Committee for Health-related Evaluation of Building Products scheme or comparable/stricter

Qualitätssiegel Nachhaltiges Gebäude (German Quality Label for Sustainable Building, QNG for short)		
Annex document 313 dated 14 September 2023	Product group:	No. 5.5: Interior paints
	Quality level:	Met – Solvent-free, formaldehyde-free, and plasticiser-free in accordance with VdL Directive 01
Proposal for assignment: LCA calculation values for QNG Sustainable Building Certification	8.13 Interior emulsion paint abrasion-resistant	

Bewertungssystem Nachhaltiges Bauen (German Assessment System for Sustainable Building, BNB for short)		
BNB_BN 1.1.6, Version 2015	Product group:	No. 5: Interior wall / ceiling paints
	Quality level:	Meets quality level 2 – Solvent-free and plasticiser-free in accordance with VdL Directive RL01 definition

Minergie-ECO / ecobau		
Ecobau classification	Swiss environment label:	B
	Report number:	ECO-CH-007
	Ecobau:	
	Ecobau:	
	Ecobau:	
	Report number:	

Leadership in Energy and Environmental Design (LEED v. 4.1)		
VOC content (EQ Credit: Low-emitting materials)	0.8 g/l Calculated in accordance with the Decopaint Directive 2004/42/CE Met in accordance with LEED v.4	
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/m³
	Degree to which requirements are met:	Met
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 %	

Leadership in Energy and Environmental Design (LEED v. 4.1)	
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)	0.8 g/l Met in accordance with BREEAM	
VOC emissions (Hea 02: indoor air quality)	Limit value:	≤ 0.3 mg/m³
	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:	≤ 0.001 mg/m³
	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.	
Formaldehyde emissions	Limit value:	
	Degree to which requirements are met:	Met
Other carcinogenic VOCs in categories 1A and 1B (CMR)	Limit value:	≤ 0.001 mg/m³
	Degree to which requirements are met:	Met

EU Taxonomy Regulation (EU) 2020/852	
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		
Eco-label, certificates	TÜV SÜD; Zertifikat 23-S1428-63; ausgestellt am 04.09.2023 Französische VOC-Verordnung: Einstufung A+	
ISO certification 9001, 14001, 50001	https://www.sto.de/s/unternehmen/managementsysteme	
Environmental Product Declaration (EPD)	EPD-VDL-20240617-IBN1-DE	
Product-specific working life (in accordance with BNB service life table)	Years:	20 years
	Application range:	Interiors
Product-specific working life (in accordance with EPD)	Years:	20 years
	Application range:	Interiors
GISCODE	See SDS (section 15)	

emissions test	
Report type:	Individual audit report
Report number:	23-S1428-63
report date:	04.09.2023

Product ingredients

Organic component (in accordance with natureplus / baubook)	>5%

Hazardous substances (in accordance with EU regulations)	See SDS (section 3)	
CMR substances (VOC)	Present (in accordance with DIN EN ISO 17895)	
VOC content (in accordance with Directive 2004/42/CE)	<0,8 g/l	
Solvent (in accordance with VdL Directive 01)	Content:	solvent-free < 700 mg/kg
	Base:	See test report
Plasticiser (in accordance with VdL Directive 01)	Content:	Plasticiser-free < 500 mg/kg
	Base:	See test report
Free formaldehyde (in accordance with VdL Directive 01)	Content:	Formaldehyde-free < 2 mg/kg
	Base:	See test report
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	<1 mg/kg for heavy metal	
	(Migration in accordance with EN 71-3)	
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:	See test report

Carbon footprint

A1-A3 (cradle to gate – manufacturing)	2.54 kg CO_2e / kg
A4 (transport from manufacturer to site)	0.067 kg CO_2e / kg
A1-C4 (cradle to grave – life cycle)	2.662 kg CO_2e / kg
D (Benefits and loads beyond the system boundary)	-0.057 kg CO_2e / kg
A1-D (cradle to cradle – life cycle including benefit)	2.605 kg CO_2e / 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

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	19
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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