

Sustainability Data Sheet



StoAqua Emaille PU Satin

Water-dilutable, PU finishing lacquer for high-quality lacquering, silk gloss

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. 1: coatings on non-mineral substrates: meets quality level 4 - DE-UZ 12a (in accordance with Directive 2004/42/EG)
Quality level (ENV1.2, in accordance with the criteria matrix, DGNB System Version 2023)	no. 1: coatings on non-mineral substrates: meets quality level 4 – equivalence with DE-UZ 12a in relation to the VOC content (in accordance with Directive 2004/42/EC) / with factory-made coating, the following applies as an alternative: VOC < 100 g/l
Product-specific LCA values (ENV 1.1 and ENV 2.1)	not collected
Product-specific life cycle (ECO1.1)	18 years in interior application (in accordance with BNB), 8 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
VOC and SVOC emissions (EQ Credit: Low-emitting materials)	TÜV SÜD Not met in accordance with LEED v.4
Formaldehyde emissions	TÜV SÜD Met in accordance with LEED v.4
Recyclable percentage (post-consumer recycled content) (MR Credit: Sourcing of raw materials)	0 %

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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 $\leq 1.0 \text{ mg/m}^3$
above 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

TÜV SÜD - testing for health-relevant ingredients and emissions, regular product and process monitoring, inspection of input materials
(www.tuvsud.com/schadstoffpruefung-bauprodukte)



Declaration of conformity No. ECO-FR-080



Declaration of conformity No. ECO-CH-097



ecobau / Minergie ECO classification: ecoBasis
(ecobau Methodik Baumaterialien (methodology on building materials)) annex 4, January 2023)

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Environmental Product Declaration (EPD)	None
GISCODE (in accordance with GISBAU)	BSW20
Safety Data Sheet (SDS)	available
Technical Data Sheet (TDS)	available
Product ingredients	
Composition	In accordance with the VdL directive (German Paint and Printing Ink Association) on coating materials for buildings Polymer dispersion titanium dioxide Water glycols esters alcohols Thickener surface additive dispersing agent anti-foaming agents matting agent Storage protection agent based on BIT
Organic component (in accordance with natureplus, baubook)	> 5 %
Hazardous substances (in accordance with EU regulations)	See Safety Data Sheet (section 3)
CMR substances (VOC)	present (in line 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), (according to measurement)
Free formaldehyde	≤ 10 mg/kg (see test report)

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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 Safety Data Sheet (section 2)

Heavy metals

≤ 20 mg/kg (migration in accordance with EN 71-3)

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)

yes

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)

not determined

Carbon dioxide value (life cycle A1-D)

not determined

Semi-volatile organic compounds SVOCs

not assessed

Disposal, re-use, recycling

Disposal of residue

can be fed to a collection system for material recycling
see Safety Data Sheet (section 13)

Disposal of dismantled building material

can be reworked

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

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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.

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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