

Sustainability Data Sheet

StoMiral® R



Mineral finishing render in accordance with EN 998-1 with rilled texture

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. 2: coatings mainly on mineral substrates in interiors (decorative paints, primers, decorative fillers): meet quality level 4 - solvent-free and plasticiser-free (in accordance with VdL guideline 01) or DE-UZ 102, no. 5: coating materials for mineral surfaces in exterior areas: meets quality level 4 - VOC content < 40 g/l (in accordance with Directive 2004/42/CE)

Quality level (ENV1.2, in accordance with the criteria matrix, DGNB System Version 2023)

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): meets quality level 4 – solvent-free, plasticiser-free, and preservative-free (in accordance with VdL guideline 01) or equivalence with DE-UZ 102 in relation to the VOC/SVOC content and preservatives
no. 5: coating materials for mineral surfaces in exterior areas: meets quality level 4 – VOC content < 40 g/l (in accordance with Directive 2004/42/CE); without film protection

Product-specific LCA values (ENV 1.1 and ENV 2.1)

in accordance with EPD

Product-specific life cycle (ECO1.1)

> 50 years if applied in interiors (in accordance with BNB),
40 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)

0 g/l (without water) calculated according to the SCAQMD METHOD 304-91 (5.1)

Sustainability Data Sheet



StoMiral[®] R

	Met in accordance with LEED v.4
VOC and SVOC emissions (EQ Credit: Low-emitting materials)	not collected not relevant for use in exterior areas
Formaldehyde emissions	not collected not relevant for use in exterior areas
Recyclable percentage (post-consumer recycled content) (MR Credit: Sourcing of raw materials)	0 %
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)	not collected not relevant for use in exterior areas
VOC content (Hea 02: indoor air quality)	see Safety Data Sheet (section 15)
VOC emissions (Hea 02: indoor air quality)	not collected not relevant for use in exterior areas
SVOC emissions (Hea 02: indoor air quality)	not collected not relevant for use in exterior areas
CMR substances (Hea 02: indoor air quality)	not collected not relevant for use in exterior areas
Eco-labels and environmental labels	
Certificates, eco-label, environmental label	 Blue Angel Ecolabel for external wall insulation systems - StoTherm Mineral L Blue Angel Ecolabel for external wall insulation systems - StoTherm Mineral

Sustainability Data Sheet

StoMiral[®] R



	Blue Angel Ecolabel for external wall insulation systems - StoTherm Wood Blue Angel Ecolabel for external wall insulation systems - StoTherm Cell  ecobau Certificate 202407.13441  certified in the system ecobau Certificate 202407.13494  natureplus[®] - Certificate 0300-0701-046-2
Environmental Product Declaration (EPD)	 EPD-VDP-20230399-IBO1-DE
GISCODE (in accordance with GISBAU)	ZP1
Safety Data Sheet (SDS)	available
Technical Data Sheet (TDS)	available
Product ingredients	
Composition	comprehensive declaration in accordance with the "natureplus[®]" procurement directive white Portland cement air lime polymer powder mineral extenders organic extenders Hydrophobic agents Thickener
Organic component (in accordance with natureplus, baubook)	< 5 %
Hazardous substances (in accordance with EU regulations)	See Safety Data Sheet (section 3)

Sustainability Data Sheet



StoMiral® R

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 guideline
Plasticiser	plasticiser-free (materials in accordance with VdL guideline 01), (after formulation evaluation)
Free formaldehyde	not present (after 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
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)	not applicable, as titanium dioxide is not present in the product
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)	0,35 kg CO2e / kg
Carbon dioxide value (life cycle A1-D)	0,23 kg CO2e / kg
Semi-volatile organic compounds SVOCs	see Environmental Product Declaration (EPD)
Disposal, re-use, recycling	

Sustainability Data Sheet



StoMiral® R

Disposal of residue	correctly sorted, clean material can be recycled see Safety Data Sheet (section 13)
Disposal of dismantled building material	can be reworked, refer to EPD chapter 2.14 and 2.15
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	
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.

Sustainability Data Sheet

StoMiral® R



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.

Sto SE & Co. KGaA
Ehrenbachstr. 1
D - 79780 Stühlingen
Phone: 07744 57-0
Fax: 07744 57-2178
infoservice@sto.com
www.sto.de