

StoPox 452 EP

Sustainability

Data for building certification systems

Deutsche Gesellschaft für Nachhaltiges Bauen e.V. (German Sustainable Building Council, DGNB for short)		
ENV1.2, Version 2018 German criteria matrix	Product group:	No. 24: EP/PUR primers and coatings for floor and wall areas with special requirements
	Quality level:	Meets quality level 4 – GISCODE PU10, PU40, PU60, RE05, RE10, RE20, RE30, or RE90
	Note	This product has been certified with GISCODE RE90 and has been assessed on the basis of the German DGNB criteria matrix ENV1.2. The requirements of other country-specific DGNB criteria matrices may differ from the German specifications. As products with GISCODE RE90 are not recognised in all national criteria matrices (e.g. in Scandinavian countries), this classification means that the relevant requirements are not met in the countries concerned and may result in the respective quality level not being achieved.
ENV1.2, Version 2023 German criteria matrix	Product group:	No. 24: EP/PUR primers (including mastic asphalt screed) and coatings for floor and wall areas with special requirements
	Quality level:	Meets quality level 4 – GISCODE PU10, PU40, PU60, RE05, RE10, RE20, RE30, or RE90
	Note	This product has been certified with GISCODE RE90 and has been assessed on the basis of the German DGNB criteria matrix ENV1.2. The requirements of other country-specific DGNB criteria matrices may differ from the German specifications. As products with GISCODE RE90 are not recognised in all national criteria matrices (e.g. in Scandinavian countries), this classification means that the relevant requirements are not met in the countries concerned and may result in the respective quality level not being achieved.
ENV1.2, Version 2023 German criteria matrix	Product group:	no. 24: surface protection systems based on epoxy resin (EP) or polyurethane (PUR), interior
	Quality level:	meets quality level 4 – GISCODE PU10 (old and new) / PU20 (new) / PU40 (old and new) / PU60 (old) / RE05 / RE10 / RE20 / RE30 or RE90
	Note	This product has been certified with GISCODE RE90 and has been assessed on the basis of the German DGNB criteria matrix ENV1.2. The requirements of other country-specific DGNB criteria matrices may differ from the German specifications. As products with GISCODE RE90 are not recognised in all national criteria matrices (e.g. in Scandinavian countries), this classification means that the relevant requirements are not met in the countries concerned and may result in the respective quality level not being achieved.

Qualitätssiegel Nachhaltiges Gebäude (German Quality Label for Sustainable Building, QNG for short)		
Annex document 313 dated 14 September 2023	Product group:	No. 5.9: Surface protection systems made of epoxy resin and PUR coatings with special resistance requirements for floor and wall areas (interior and exterior)
	Quality level:	Not met
Proposal for assignment: LCA calculation values for QNG Sustainable Building Certification	6.3 Synthetic resin screed	

Bewertungssystem Nachhaltiges Bauen (German Assessment System for Sustainable Building, BNB for short)		
BNB_BN 1.1.6, Version 2015	Product group:	No. 20a: Epoxy resin and PUR coatings (including in combination) with special resistance requirements for floor and wall areas
	Quality level:	Meets quality level 5 – GISCODE PU10, PU40, PU60, RE1, or RE0

Leadership in Energy and Environmental Design (LEED v. 4.1)		
VOC content (EQ Credit: Low-emitting materials)	18.89 g/l (Without water) calculated according to the SCAQMD METHOD 304-91 (5.1) Met in accordance with LEED v.4	
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 %	

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)	18.89 g/l (Without water) calculated according to the SCAQMD METHOD 304-91 (5.1) Met in accordance with BREEAM	
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
CMR emissions (Hea 02: indoor air quality)	Requirement:	Not collected Not relevant for use in exterior areas

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.stocretec.de/s/unternehmen/compliance	

Eco-labels and environmental labels

Eco-label, certificates		
ISO certification 9001, 14001, 50001	Https://www.stocretec.de/s/unternehmen/managementsysteme	
Environmental Product Declaration (EPD)	NEPD-11033-9985	
Product-specific working life (in accordance with BNB service life table)	Years:	40 years
	Application range:	Interiors
	Years:	20 years
	Application range:	exterior
Product-specific working life (in accordance with EPD)	Years:	> 50 years
	Application range:	Interiors
	Years:	> 50 years
	Application range:	exterior
GISCODE	See SDS (section 15)	

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)	77,8 g/l im Gemisch	
Solvent (in accordance with VdL Directive 01)	Content:	> 700 mg/kg Not solvent-free
	Base:	According to formulation evaluation
Plasticiser (in accordance with VdL Directive 01)	Content:	> 500 mg/kg Not plasticiser-free
	Base:	According to formulation evaluation

Free formaldehyde (in accordance with VdL Directive 01)	Content:	< 2 mg/kg Formaldehyde-free
	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)	Not present	
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)	Not applicable, as titanium dioxide is not present in the product	
SVHC in accordance with the REACH chemicals regulation (EC/1907/2006), Annex XIV	Content:	<0,1%
	Base:	According to formulation evaluation

Carbon footprint

A1-A3 (cradle to gate – manufacturing)	3.819 kg CO_2e / kg
A4 (transport from manufacturer to site)	0.051 kg CO_2e / kg
A1-C4 (cradle to grave – life cycle)	4.198 kg CO_2e / kg
D (Benefits and loads beyond the system boundary)	0 kg CO_2e / kg

A1-D (cradle to cradle – life cycle including benefit)	4.198 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.stocretec.de/s/service-tools/entsorgung
Circular economy at StoCretec	Https://www.stocretec.de/s/nachhaltigkeit/kreislaufwirtschaft

Corporate responsibility at StoCretec

Guiding principles, management of the company	StoCretec'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.stocretec.de
UN Global Compact - membership	StoCretec 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.stocretec.de/cepcom/stocretec/Dokumente/nachhaltigkeit/Compliance/Sto-Supplier-Code-of-Conduct_01_12_23_DE.pdf

Notes

Version	12
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!