# StoPur AC 500 S

# 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. 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 |
| **ENV1.2, Version 2023** | 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 |
| **ENV1.2, Version 2023** | 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 |

| 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: | Met – GISCODE PU10, PU20, PU 30, PU40 (OLD), PU50 (OLD), PU60 (OLD) RE05, RE10, RE20, RE30, RE40, or RE50 |
| **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)** | 0 g/l<br>(Without water) calculated according to the SCAQMD METHOD 304-91 (5.1)<br>Met in accordance with LEED v.4 | |
| **VOC emissions (EQ Credit: Low-emitting materials)** | Requirement: | Not collected<br>Not relevant for use in exterior areas |
| **SVOC emissions (EQ Credit: Low-emitting materials)** | Requirement: | Not collected<br>Not relevant for use in exterior areas |
| **Formaldehyde emissions (EQ Credit: Low-emitting materials)** | Requirement: | Not collected<br>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)** | 0 g/l<br>(Without water) calculated according to the SCAQMD METHOD 304-91 (5.1)<br>Met in accordance with BREEAM | |
| **VOC emissions (Hea 02: indoor air quality)** | Requirement: | Not collected<br>Not relevant for use in exterior areas |
| **SVOC emissions (Hea 02: indoor air quality)** | Requirement: | Not collected<br>Not relevant for use in exterior areas |
| **Formaldehyde emissions (Hea 02: indoor air quality)** | Requirement: | Not collected<br>Not relevant for use in exterior areas |

| Building Research Establishment Environmental Assessment Method (BREEAM) | | |
|---|---|---|
| **CMR emissions (Hea 02: indoor air quality)** | Requirement: | Not collected<br>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<br>Not relevant for use in exterior areas |
| **Other carcinogenic VOCs in categories 1A and 1B (CMR)** | Requirement: | Not collected<br>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)** | EPD-FEI-20220021-IBG1-EN | |
| **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 |

| Eco-label, certificates | |
|---|---|
| **GISCODE** | See SDS (section 15) |

## Product ingredients

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|---|---|---|
| **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) | |
| **Solvent (in accordance with VdL Directive 01)** | Content: | < 700 mg/kg<br>solvent-free |
| | Base: | According to formulation evaluation |
| **Plasticiser (in accordance with VdL Directive 01)** | Content: | < 500 mg/kg<br>Plasticiser-free |
| | Base: | According to formulation evaluation |
| **Free formaldehyde (in accordance with VdL Directive 01)** | Content: | < 2 mg/kg<br>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 | |

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| **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

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| **A1-A3 (cradle to gate – manufacturing)** | 4.79 kg $CO_2$e / kg |
| **A4 (transport from manufacturer to site)** | 0.053 kg $CO_2$e / kg |
| **A1-C4 (cradle to grave – life cycle)** | 7.245 kg $CO_2$e / kg |
| **D (Benefits and loads beyond the system boundary)** | -0.95 kg $CO_2$e / kg |
| **A1-D (cradle to cradle – life cycle including benefit)** | 6.295 kg $CO_2$e / kg |

## Disposal, reuse, recycling

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| **Recycling of site residue** | 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

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| **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

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| **Version** | 05 |
| **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! |