


# StoPox GH 406

# 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. 23: EP products for coating mineral surfaces on floors, ceilings, and walls – including in system buildups without special requirements |
| | Quality level: | Meets quality level 4 – GISCODE RE05, RE10, RE20, RE30, or RE90 and substantiation of emissions in accordance with MVV TB as an individual product or part of a system |
| | 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. 23: EP products for coating mineral surfaces on floors, ceilings, and walls – including in system buildups without special requirements |
| | Quality level: | Meets quality level 4 – GISCODE RE05, RE10, RE20, RE30, or RE90 and substantiation of emissions in accordance with MVV TB as an individual product or part of a system |
| | 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. |

| **Deutsche Gesellschaft für Nachhaltiges Bauen e.V. (German Sustainable Building Council, DGNB for short)** | | |
|---|---|---|
| **ENV1.2, Version 2023 German criteria matrix** | Product group: | no. 23: epoxy resin (EP) reactive resins, interior, without surface protection systems |
| | Quality level: | meets quality level 4 – GISCODE RE05 / RE10 / RE20 / RE30 or RE90 and emissions compliance after 28 days < Committee for Health-related Evaluation of Building Products scheme or comparable/stricter |
| | 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. 5.8: Synthetic resin screeds and reactive epoxy resin coatings (EP) on mineral floor and wall surfaces (interior and exterior) – including in system buildups |
| | 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. 19: Epoxy resin coatings – including in system buildups for single-component and two-component systems |
| | Quality level: | Meets quality level 1 – Documentation |

| **Minergie-ECO / ecobau** | | |
|---|---|---|
| **Ecobau classification** | Swiss environment label: | |
| | Report number: | |
| | Ecobau: | Eco2 |
| | Ecobau: | (Ecobau methodology for construction materials 2025/V01) |
| | Ecobau: | |
| | Report number: | |

| **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)** | 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 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)** | Limit value: | ≤ 0.3 mg/m³ |
| | Degree to which requirements are met: | Met |
| **SVOC emissions (Hea 02: indoor air quality)** | Limit value: | ≤ 0.1 mg/m³ |
| | Degree to which requirements are met: | Met |
| **Formaldehyde emissions (Hea 02: indoor air quality)** | Limit value: | ≤ 0.01 mg/m³ |
| | 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: | ≤ 0.06 mg/m³ |
| | 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.stocretec.de/s/unternehmen/compliance |

## Eco-labels and environmental labels

| **Eco-label, certificates** | | |
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| **Eco-label, certificates** | Finish Emission Label M1: Zertifikat 3194; gültig bis 13.03.2029 | |
| **ISO certification 9001, 14001, 50001** | Https://www.stocretec.de/s/unternehmen/managementsysteme | |
| **Environmental Product Declaration (EPD)** | NEPD-15112-17807 | |
| **Product-specific working life (in accordance with BNB service life table)** | Years: | 40 years |
| | Application range: | Interiors |
| **Product-specific working life (in accordance with EPD)** | Years: | > 50 years |
| | Application range: | Interiors |
| **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) |
| **VOC content (in accordance with Directive 2004/42/CE)** | 0 g/l |

| | | |
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| **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 | |
| **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

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| **A1-A3 (cradle to gate – manufacturing)** | 4.998 kg $CO_2$e / kg |
| **A4 (transport from manufacturer to site)** | 0.086 kg $CO_2$e / kg |

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| **A1-C4 (cradle to grave – life cycle)** | 5.365 kg $CO_2$e / kg |
| **D (Benefits and loads beyond the system boundary)** | 0 kg $CO_2$e / kg |
| **A1-D (cradle to cradle – life cycle including benefit)** | 5.365 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** | 09 |

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| **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! |