

Product Verification

Sustainability

Self declared according to BREEAM International New Construction 2016

■ Product Systems

EGOSILICON 365

EGO Dichtstoffwerke GmbH & Co. Betriebs KG

EGOSILICON 365 ALL IN ONE is suitable for universal use on all common substrates in natural stone, sanitary, building construction, glass & metal construction, kitchen and wood construction as well as in permanent wet and pool areas. For connection and expansion joints that require high movement absorption.

<https://www.ego.de/produkt/egosilicon365>



Product Assessment

Health and wellbeing

| Criteria | Product Verification |
|--|----------------------|
| Hea 02 Indoor air quality (GN22 V2.0 April 2016) | Yes |
| Hea 02 Indoor air quality - Exemplary Level (GN22 V2.0 April 2016) | Yes |

Materials

| Criteria | Product Verification |
|---------------------------|----------------------|
| Mat 01 Life cycle impacts | EPD available: Yes |

Legend: yes = Product contributes toward satisfying the credit, N/A = Product not relevant in the credit, no = Credit requirements are not proven

Summary

The product contributes to the certification:

- The product contributes toward satisfying Hea 02 Indoor air quality: Yes
- The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level: Yes
- The product has an Environmental Product Declaration (EPD) which can be used to calculate the building life cycle assessment: EPD available: Yes

Ecolabels & Product-Assessments

AgBB tested



EMICODE

EPD

EPD Institut Bauen und Umwelt e.V.



French VOC-Label A+


 ISO 14001 - Environmental
 Management System

 ISO 9001 - Quality
 Management System


SCAQMD 1168



Product Properties

Ingredients:

| | |
|---|--------------------|
| Percentage of the product's composition, that is known to the chemical ingredient level | 100 wt% |
| Free (< 0,1 %) of chlorinated paraffins (= CP inkl. SCCP, MCCP, LCCP): | Yes |
| Free (< 0,1 %) of biocidal: | No |
| Free (< 0,1 %) of polybrominated diphenyl ethers (= PBDE): | Yes |
| Free (< 0,1 %) of hydrocarbon (KWS) plasticizer: | Yes |
| Recycled content post-consumer: | N/A |
| Recycled content pre-consumer: | N/A |
| VOC content according 2004/42/EG: | 0 g/l |
| VOC content according 2004/42/EG: | 0 g/m ² |
| Free (< 0,1 %) of polybrominated biphenyls (= PBB): | Yes |
| Free (< 0,1 %) of hexabromocyclododecane (= HBCD): | Yes |
| Free (< 0,1 %) of tris (2-carboxyethyl) phosphine (= TCEP): | Yes |
| Free (< 0,1 %) of lead: | Yes |
| Free (< 0,1 %) of cadmium: | Yes |
| Free (< 0,1 %) of chromium-VI compounds: | Yes |
| Free of solvent according to VdL-RL01: | Yes |
| Free (< 0,1 %) of aromatic compounds: | Yes |
| Free (< 0,1 %) from halogenated propellants: | Yes |
| Free (< 0,1 %) of halogenated flame retardants: | Yes |



| | |
|---|---------|
| Content of VOC: | 0 % |
| Content of solvents: | 0 % |
| Free (< 0,1 %) of halogens: | Yes |
| To what level of detail is the product composition known? | 100 ppm |
| Rapidly renewable content | N/A |
| Non renewable virgin raw material content | N/A |
| Free (< 0,1 %) of tin: | Yes |
| Free of plasticizer according to VdL-RL01: | Yes |

Manufacturer:

| | |
|--|--------------------------|
| Environmental Management System according ISO 14001: | Yes |
| Are reverse logistics in place for the product? | No |
| Final manufacturing location of the product: longitude | 11.177829263566535 ° DDD |
| Final manufacturing location of the product: latitude | 47.49054076514584 ° DDD |

Emissions:

| | |
|---|-------------------------|
| Formaldehyde emissions after 28 days according DIN EN 717-1: | 0.002 mg/m ³ |
| R-Value according to AgBB: | 0,02 |
| TVOC after 3 days according ISO 16000-3 / AgBB: | 0,89 mg/m ³ |
| TVOC after 28 days according ISO 16000-3 / AgBB: | 0,049 mg/m ³ |
| Carcinogens 1A and 1B after 3 days according ISO-16000 / AgBB: | 0,001 mg/m ³ |
| Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB: | 0.001 mg/m ³ |
| SVOC after 3 days according ISO 16000-3 / AgBB: | N/A |
| SVOC after 28 days according ISO 16000-3 / AgBB: | N/A |

Life Cycle Assessment:

| | |
|-----------------------|-----|
| Functional use period | N/A |
|-----------------------|-----|

Circularity:

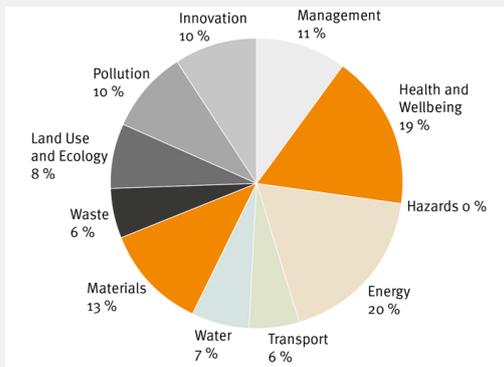
■ System description

The BREEAM (Building Research Establishment Environmental Assessment Method) certification system was published by the Building Research Establishment (BRE). It came on the market in 1990 and was one of the first certification systems for buildings. BREEAM offers different standards, which vary in the requirements, depending on the country, type of use and development phase of the project (new construction, in-use, refurbishment and fit-out, infrastructure and communities). Within ten environmental categories and numerous individual credits, buildings are rated and can be rated as Acceptable (for in-use scheme only), Pass, Good, Very Good, Excellent and Outstanding. Up to now, more than 16,300 BREEAM projects have been certified worldwide (as of April 2018).

Source: www.breeam.com

■ System categories

Category Weighting



Category

Category considered in product verification

| | |
|----------------------------|-----|
| Management (Man) | No |
| Health and wellbeing (Hea) | Yes |
| Energy (Ene) | No |
| Transport (Tra) | No |
| Water (Wat) | No |
| Materials (Mat) | Yes |
| Waste (Wst) | No |
| Land use and ecology (LE) | No |
| Pollution (Pol) | No |
| Innovation (Inn) | No |

Source: BREEAM International NC 2016 - Non-residential - Fully Fitted (TM 2.0)

Detailed Verification

Self declared according to BREEAM International New Construction 2016

Health and wellbeing

Hea 02 Indoor air quality (GN22 V2.0 April 2016)

The product contributes toward satisfying Hea 02 Indoor air quality:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

The product contributes toward satisfying Hea 02 Indoor air quality:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

Interior adhesives and sealants (including flooring adhesives)

The entire product complies with Hea 02 Indoor air quality for interior adhesives and sealants (including flooring adhesives):

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

The product complies with Hea 02 Indoor air quality for interior adhesives and sealants (including flooring adhesives):

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

The product is an adhesive or sealant:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

The application of the product is inside a building:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

Formaldehyde after 28 days $\leq 0.06 \text{ mg/m}^3$:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

Formaldehyde emissions according DIN EN 717-1:

| | |
|----------------|-----------------------------|
| EGOSILICON 365 | $\leq 0.002 \text{ mg/m}^3$ |
|----------------|-----------------------------|

TVOC after 28 days $\leq 1.0 \text{ mg/m}^3$:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

TVOC after 28 days:

| | |
|----------------|--------------------------|
| EGOSILICON 365 | $< 0.049 \text{ mg/m}^3$ |
|----------------|--------------------------|

Category 1A and 1B carcinogens after 28 days $\leq 0.001 \text{ mg/m}^3$:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB:

| | |
|----------------|--------------------------|
| EGOSILICON 365 | $< 0.001 \text{ mg/m}^3$ |
|----------------|--------------------------|

Certified with eco-INSTITUT-Label:

| | |
|----------------|----|
| EGOSILICON 365 | No |
|----------------|----|

Certified with UL Greenguard Gold:

| | |
|----------------|----|
| EGOSILICON 365 | No |
|----------------|----|

Certified with UL Greenguard:

| | |
|----------------|----|
| EGOSILICON 365 | No |
|----------------|----|

GREENGUARD certification confirms that there are no measured carcinogens:

| | |
|----------------|----|
| EGOSILICON 365 | No |
|----------------|----|

Certified with Indoor Air Comfort:

| | |
|----------------|----|
| EGOSILICON 365 | No |
|----------------|----|

Certified with Indoor Air Comfort Gold:

| | |
|----------------|----|
| EGOSILICON 365 | No |
|----------------|----|

Certified with M1 Emission Classification of Building Materials:

| | |
|----------------|----|
| EGOSILICON 365 | No |
|----------------|----|

Certified EMICODE standard:

| | |
|----------------|-------------|
| EGOSILICON 365 | EMICODE EC1 |
|----------------|-------------|

■ Hea 02 Indoor air quality - Exemplary Level (GN22 V2.0 April 2016)

The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

Interior adhesives and sealants (including flooring adhesives) - Exemplary Level

The entire product complies with Hea 02 Indoor air quality - Exemplary Level for interior adhesives and sealants (including flooring adhesives):

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

The product complies with Hea 02 Indoor air quality - Exemplary Level for interior adhesives and sealants (including flooring adhesives):

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

The product is an adhesive or sealant:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

The application of the product is inside a building:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

Formaldehyde after 28 days $\leq 0.01 \text{ mg/m}^3$:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

Formaldehyde emissions according DIN EN 717-1:

| | |
|----------------|-----------------------------|
| EGOSILICON 365 | $\leq 0.002 \text{ mg/m}^3$ |
|----------------|-----------------------------|

TVOC after 28 days $\leq 0.3 \text{ mg/m}^3$:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

TVOC after 28 days:

| | |
|----------------|--------------------------|
| EGOSILICON 365 | $< 0.049 \text{ mg/m}^3$ |
|----------------|--------------------------|

TSVOC after 28 days $\leq 0,1 \text{ mg/m}^3$:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

TSVOC after 28 days:

| | |
|----------------|--------------------------|
| EGOSILICON 365 | $< 0.005 \text{ mg/m}^3$ |
|----------------|--------------------------|

Category 1A and 1B carcinogens after 28 days $\leq 0.001 \text{ mg/m}^3$:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB:

| | |
|----------------|--------------------------|
| EGOSILICON 365 | $< 0.001 \text{ mg/m}^3$ |
|----------------|--------------------------|

Certified with Indoor Air Comfort Gold:

| | |
|----------------|----|
| EGOSILICON 365 | No |
|----------------|----|

Certified EMICODE standard:

| | |
|----------------|-------------|
| EGOSILICON 365 | EMICODE EC1 |
|----------------|-------------|

■ Materials

■ Mat 01 Life cycle impacts

The product has an Environmental Product Declaration (EPD) which can be used to calculate the building life cycle assessment:

| | |
|----------------|--------------------|
| EGOSILICON 365 | EPD available: Yes |
|----------------|--------------------|

An environmental product declaration exists for the product:

| | |
|----------------|-----|
| EGOSILICON 365 | Yes |
|----------------|-----|

EPD Owner of the Declaration:

| | |
|----------------|-----------------------|
| EGOSILICON 365 | DBC, EFCC, FEICA, IVK |
|----------------|-----------------------|

EPD Publisher:

| | |
|----------------|--------------------------------------|
| EGOSILICON 365 | Institut Bauen und Umwelt e.V. (IBU) |
|----------------|--------------------------------------|

EPD Programme holder:

| | |
|----------------|--------------------------------------|
| EGOSILICON 365 | Institut Bauen und Umwelt e.V. (IBU) |
|----------------|--------------------------------------|

EPD Declaration number:

| | |
|----------------|--------------------------|
| EGOSILICON 365 | EPD-DBC-20220180-IBF1-EN |
|----------------|--------------------------|

EPD Issue date:

| | |
|----------------|------------|
| EGOSILICON 365 | 31.08.2022 |
|----------------|------------|

EPD valid to:

| | |
|----------------|------------|
| EGOSILICON 365 | 30.08.2027 |
|----------------|------------|

■ Contact Details Manufacturer

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DE
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■ Disclaimer

This verification is the evaluation and ranking of products in terms of the certification system DGNB 2015 (New construction of office buildings). The DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen) generally does not certify products. Therefore the project team or the manufacturer is responsible to declare compliance with respect to the DGNB criteria. Notice: This verification is generated by the Assessment Service of BMS. The distribution or publication by third parties is not permitted. The data sheet is not a DGNB certification document. The information is based on the manufacturer's specifications. Despite a diligent treatment of all information BMS can not make any warranties about the completeness, reliability and accuracy of this information. The requirements of DGNB can be interpreted differently and depend on the project and scope of application. Therefore, BMS cannot accept any liability for the evaluation in terms of the DGNB criteria. The user of the data sheet, the user / purchaser of the product and the consultant / planner, who is advising on this product has the duty to check the product for the intended application at their own responsibility. When a new version of this product verification is produced, the previous version loses its validity.