

# Product Verification

## Sustainability

Self declared according to DGNB NBV 2015

### 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

### Environmental Quality (ENV)

#### Criteria

#### Product Verification

|   |                      |
|---|----------------------|
| ENV 1.1/2.1 Life cycle assessment (Updated on: 26.01.2017)  | EPD available: Yes   |
| ENV 1.2 Local environmental impact (Updated on: 08.06.2017) | Quality level 4 of 4 |

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 has an Environmental Product Declaration (EPD) which can be used to calculate the building life cycle assessment: EPD available: Yes
- Achieved quality level in DGNB Criteria ENV 1.2 Local environmental impact for the entire product: Quality level 4 of 4

## 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 <sup>2</sup> |
| 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 <sup>3</sup> |
| R-Value according to AgBB:                                      | 0,02                    |
| TVOC after 3 days according ISO 16000-3 / AgBB:                 | 0,89 mg/m <sup>3</sup>  |
| TVOC after 28 days according ISO 16000-3 / AgBB:                | 0,049 mg/m <sup>3</sup> |
| Carcinogens 1A and 1B after 3 days according ISO-16000 / AgBB:  | 0,001 mg/m <sup>3</sup> |
| Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB: | 0.001 mg/m <sup>3</sup> |
| 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:

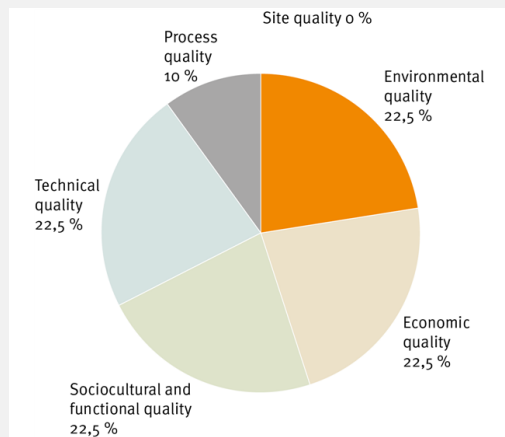
## System description

The DGNB certification system was founded by the "German Sustainable Building Council" and first appeared on the market in 2008. The DGNB system evaluates buildings holistically on the basis of individual criteria within the categories Ecological Quality, Economic Quality, Sociocultural and Functional Quality, Technical Quality, Process Quality and Location Quality. Different profiles allow the certification of new buildings and existing buildings, as well as of quarters in Germany and Internationally. Buildings can achieve a certification in Bronze, Silver, Gold and Platinum. Up to now, more than 3,500 projects have been awarded by the DGNB (as of June 2018).

Source: [www.dgnb.de](http://www.dgnb.de)

## System categories

### Category Weighting



Source: DGNB NBV 15

### Category

### Category considered in product verification

|  |     |
|--|-----|
| Environmental quality (ENV)                | Yes |
| Economic quality (ECO)                     | No  |
| Sociocultural and functional quality (SOC) | No  |
| Technical quality (TEC)                    | No  |
| Process quality (PRO)                      | Yes |
| Site quality (SITE)                        | No  |

# Detailed Verification

Self declared according to DGNB NBV 2015

## Environmental Quality (ENV)

### ENV 1.1/2.1 Life cycle assessment (Updated on: 26.01.2017)

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 |
|----------------|------------|

### ENV 1.2 Local environmental impact (Updated on: 08.06.2017)

Achieved quality level in DGNB Criteria ENV 1.2 Local environmental impact for the entire product:

|                |                      |
|----------------|----------------------|
| EGOSILICON 365 | Quality level 4 of 4 |
|----------------|----------------------|

Achieved quality level in DGNB Criterion ENV 1.2 Local environmental impact:

|                |                 |
|----------------|-----------------|
| EGOSILICON 365 | Quality level 4 |
|----------------|-----------------|

Row 12: Adhesions of mechanically stressed joints over small areas; the areas glass construction, façade and fire protection are not considered here. Sealing compounds, sealing substances, adhesives for dot like and linear adhesions of components in the interior area. Acrylate sealing substances/adhesives and silicone sealing substances are what is meant here.

Achieved quality level in DGNB ENV 1.2 Row 12 for the entire product:

|                |                 |
|----------------|-----------------|
| EGOSILICON 365 | Quality level 4 |
|----------------|-----------------|

Achieved quality level in DGNB ENV 1.2 Row 12:

|                |                 |
|----------------|-----------------|
| EGOSILICON 365 | Quality level 4 |
|----------------|-----------------|

Adhesives and sealants (acrylate, silicone, SMP) - interior and technical building equipments (DGNB ENV1.2 Row 12):

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

Free of chlorinated paraffins (CP):

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

Content of solvent < 1 %:

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

Content of solvents:

|                |     |
|----------------|-----|
| EGOSILICON 365 | 0 % |
|----------------|-----|

Free (< 0,1 %) of KWS plasticizers:

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

Row 13: Assembly adhesives and sealants on the facade, windows and exterior doors (provided by the customer). - Adhesive for the production of airtightness on the facade inside and outside: e.g. PU, PU hybrid, MS polymer, SMP or similar.

Achieved quality level in DGNB ENV 1.2 Row 13 for the entire product:

|                |                 |
|----------------|-----------------|
| EGOSILICON 365 | Quality level 4 |
|----------------|-----------------|

Achieved quality level in DGNB ENV 1.2 Row 13:

|                |                 |
|----------------|-----------------|
| EGOSILICON 365 | Quality level 4 |
|----------------|-----------------|

Adhesives and sealants (PU, PU hybrid, MS polymer, SMP or the like) - on the façade, windows and external doors (DGNB ENV1.2 Row 13):

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

Content of VOC < 1 %:

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

Content of VOC:

|                |     |
|----------------|-----|
| EGOSILICON 365 | 0 % |
|----------------|-----|

Certified with EMICODE EC1/EC1PLUS, EC1-R/EC1PLUS-R:

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

Certified EMICODE standard:

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



#### ■ Contact Details Manufacturer

##### EGO Dichtstoffwerke GmbH & Co. Betriebs KG

Kaltenbrunn 27  
82467 Garmisch-Partenkirchen  
DE  
<http://www.ego.de/>



#### ■ 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.