

# Product Verification

## Sustainability

Self declared according to DGNB Neubau 2018

### Product Systems

#### EGOSILICON 351

EGO Dichtstoffwerke GmbH & Co. Betriebs KG

EGOSILICONE 351 is a ready-to-use, high-quality single-component silicone sealant that is free from plasticisers and vulcanises through reaction with air humidity to form an elastic end product. The product is suitable for natural stone in both indoor and outdoor areas.

The product is:

- creep-free
- compatible with natural stone
- colored fungicidal adjusted
- shiny abrasion resistant
- water-proof
- optimum skin-forming time

Sealing connection and movement joints in the sanitary sector, as well as for natural and artificial stone.

EGOSILICONE 351 fulfills the requirements according to EMICODE EC 1.

<https://www.ego.de/produkt/egosilicon351>



## Product Assessment

### Environmental Quality (ENV)

#### Criteria

#### Product Verification

ENV 1.1 Building life cycle assessment (Updated on: 16.07.2018)	EPD available: Yes
ENV 1.2 Local environmental impact (Updated on: 05.01.2022)	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 2018 Criteria ENV 1.2 Local environmental impact for the entire product: Quality level 4 of 4

## Ecolabels & Product-Assessments

AgBB tested



EMICODE

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:	N/A
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
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### Circularity:

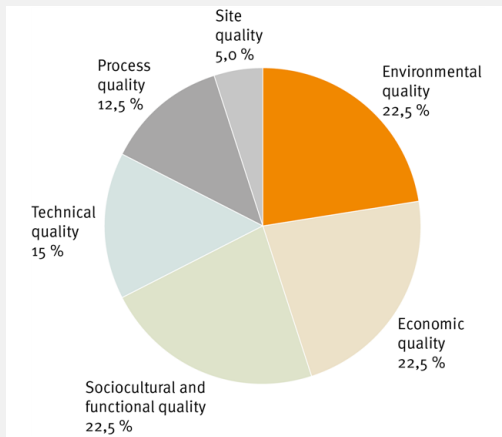
## System description

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 2018

### 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 Neubau 2018

## ■ Environmental Quality (ENV)

### ■ ENV 1.1 Building life cycle assessment (Updated on: 16.07.2018)

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

EGOSILICON 351	EPD available: Yes
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An environmental product declaration exists for the product:

EGOSILICON 351	Yes
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EPD Owner of the Declaration:

EGOSILICON 351	DBC, EFCC, FEICA, IVK
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EPD Publisher:

EGOSILICON 351	Institut Bauen und Umwelt e.V. (IBU)
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EPD Programme holder:

EGOSILICON 351	Institut Bauen und Umwelt e.V. (IBU)
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EPD Declaration number:

EGOSILICON 351	EPD-DBC-20220180-IBF1-EN
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EPD Issue date:

EGOSILICON 351	31.08.2022
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EPD valid to:

EGOSILICON 351	30.08.2027
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### ■ ENV 1.2 Local environmental impact (Updated on: 05.01.2022)

Achieved quality level in DGNB 2018 Criteria ENV 1.2 Local environmental impact for the entire product:

EGOSILICON 351	Quality level 4 of 4
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Achieved quality level in DGNB 2018 Criterion ENV 1.2 Local environmental impact:

EGOSILICON 351	Quality level 4
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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 2018 ENV 1.2 Row 12 for the entire product:

EGOSILICON 351	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 12:

EGOSILICON 351	Quality level 4
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Adhesives and sealants (acrylate, silicone, SMP) - interior and technical building equipments (DGNB ENV1.2 Row 12):

EGOSILICON 351	Yes
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Free of chlorinated paraffins (CP):

EGOSILICON 351	Yes
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Content of solvent < 1 %:

EGOSILICON 351	Yes
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Content of solvents:

EGOSILICON 351	0 %
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Free (< 0,1 %) of KWS plasticizers:

EGOSILICON 351	Yes
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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 2018 ENV 1.2 Row 13 for the entire product:

EGOSILICON 351	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 13:

EGOSILICON 351	Quality level 4
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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 351	Yes
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Content of VOC < 1 %:

EGOSILICON 351	Yes
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Content of VOC:

EGOSILICON 351	0 %
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Content of halogenated propellants < 0,1 %:

EGOSILICON 351	Yes
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Certified with EMICODE EC1/EC1PLUS, EC1-R/EC1PLUS-R:

EGOSILICON 351	Yes
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Certified EMICODE standard:

EGOSILICON 351	EMICODE EC1
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Certified with Indoor Air Comfort Gold:

EGOSILICON 351	No
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#### ■ Contact Details Manufacturer

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

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DE  
<http://www.ego.de/>



#### ■ Disclaimer

This verification is the evaluation and ranking of products in terms of the certification system DGNB 2018 (New construction building). 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.