

# Product Verification

## Sustainability

Self declared according to DGNB Neubau 2018

### Product Systems

#### EGOSILICON 151

EGO Dichtstoffwerke GmbH & Co. Betriebs KG

EGOSILICONE 151 is a ready-to-use, extremely high-quality, abrasion-resistant and plasticiser-free single-component silicone sealant with best processing characteristics that vulcanises through reaction with air humidity to form an elastic end product. EGOSILICONE 151 is resistant to chemicals (diluted acids and lyes, household cleaning agents and the like), fungicidal and waterproof with optimum skinforming time and secure vulcanisation; it ensures excellent processing characteristics and very good modeling and smoothing properties. Permanent high-quality sealing in the fields of construction and sanitary applications. For sealing, edge and connection joints in glass, ceramics, porcelain, enamel, tiles, aluminium, stainless steel, polyacrylate, polycarbonate, polyester, hard PVC and timber.

EGOSILICONE 151 fulfills the requirements according to EMICODE EC 1.

<https://www.ego.de/produkt/egosilicon151>



## 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 EC1



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:

SVHC according REACH < 0,1 %:	Yes
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
Recycled content pre-consumer:	N/A
Recycled content post-consumer:	N/A
Free (< 0,1 %) of hydrocarbon (KWS) plasticizer:	Yes
VOC content according 2004/42/EG:	0 g/l
VOC content according 2004/42/EG:	0 g/m <sup>2</sup>
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 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:	No
Content of VOC:	0 %
Content of solvents:	0 %
Free (< 0,1 %) of halogens:	Yes
Free of plasticizer according to VdL-RL01:	Yes

### Manufacturer:

Environmental Management System according ISO 14001:	Yes
Final manufacturing location of the product: latitude	47.490138178497375 ° DDD
Final manufacturing location of the product: longitude	11.178027746972168 ° DDD

### Emissions:

Formaldehyde emissions after 28 days according DIN EN 717-1:	0.002 mg/m <sup>3</sup>
R-Value according to AgBB:	0,01
TVOC after 3 days according ISO 16000-3 / AgBB:	0,28 mg/m <sup>3</sup>
TVOC after 28 days according ISO 16000-3 / AgBB:	0,038 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:

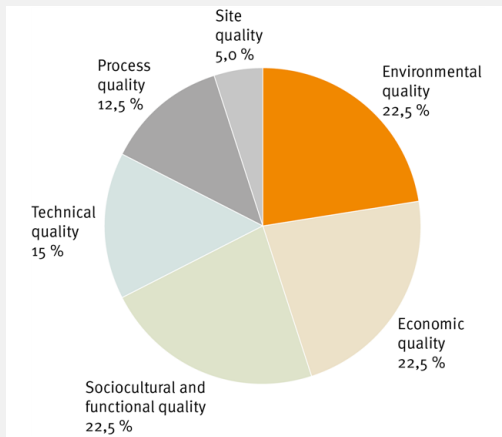
## System description

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 151	EPD available: Yes
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An environmental product declaration exists for the product:

EGOSILICON 151	Yes
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EPD Owner of the Declaration:

EGOSILICON 151	DBC, EFCC, FEICA, IVK
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EPD Publisher:

EGOSILICON 151	Institut Bauen und Umwelt e.V. (IBU)
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EPD Programme holder:

EGOSILICON 151	Institut Bauen und Umwelt e.V. (IBU)
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EPD Declaration number:

EGOSILICON 151	EPD-DBC-20220180-IBF1-EN
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EPD Issue date:

EGOSILICON 151	31.08.2022
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EPD valid to:

EGOSILICON 151	31.05.2027
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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 151	Quality level 4 of 4
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Achieved quality level in DGNB 2018 Criterion ENV 1.2 Local environmental impact:

EGOSILICON 151	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 151	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 12:

EGOSILICON 151	Quality level 4
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Adhesives and sealants (acrylate, silicone, SMP) - interior and technical building equipments (DGNB ENV1.2 Row 12):

EGOSILICON 151	Yes
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Free of chlorinated paraffins (CP):

EGOSILICON 151	Yes
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Content of solvent < 1 %:

EGOSILICON 151	Yes
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Content of solvents:

EGOSILICON 151	0 %
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Free (< 0,1 %) of KWS plasticizers:

EGOSILICON 151	Yes
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#### ■ Contact Details Manufacturer

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

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#### ■ 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.