Building Material Scout

Product Verification

Sustainability

Self declared according to DGNB NBV 2015

Product Systems

EGOSILICON 300

EGO Dichtstoffwerke GmbH & Co. Betriebs KG

EGOSILICONE 300 is a ready-to-use, high-quality single-component silicone sealant that vulcanises through reaction with air humidity to form an elastic end product. The product is coloured, has fungicidal properties and is free of 2 methylkethyl ketone oximes (MEKO) and methylisobuthyl ketone oximes (MIBKO). Glass sealing, connection and expansion joints, concrete, plaster, masonry, metals, tension-free plastics and painted/varnished timber.
EGOSILICONE 300 transparent fulfills the requirements according to EMICODE EC 1 PLUS.

https://www.ego.de/produkt/egosilicon300

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

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
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
VOC content according 2004/42/EG:	0 g/l
VOC content according 2004/42/EG:	0 g/m2
Percentage of the product's composition, that is known to the chemical ingredient level	100 wt%
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 tin:	Yes

Free (< 0,1 %) of halogenated flame retardants:	Yes
Content of VOC:	0 %
Content of solvents:	0 %
Free (< 0,1 %) of halogens:	Yes
Free of plasticizer according to VdL-RL01:	Yes
Recycled content pre-consumer:	N/A
Recycled content post-consumer:	N/A
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

Circularity:

Has the product been designed for reuse, refurbishment or remanufacturing?	No
Is the product designed for a recycling of equal quality?	No
Was the product designed for biodegradation?	No
Was the Product designed for emission or direct dispersal?	No
Was the product designed for clean incineration?	No

Manufacturer:

Environmental Management System according ISO 14001:	Yes
Final manufacturing location of the product: latitude	47.4902251743193 ° DDD
Final manufacturing location of the product: longitude	11.1775395847017 67 ° DDD

Life Cycle Assessment:

Functional use period	N/A

Emissions:

Formaldehyde emissions after 28 days according DIN EN 717-1:	0.002 mg/m³
R-Value according to AgBB:	0,0
TVOC after 3 days according ISO 16000-3 / AgBB:	0,48 mg/m³
TVOC after 28 days according ISO 16000-3 / AgBB:	0,16 mg/m³
SVOC after 28 days according ISO 16000-3 / AgBB:	0,005 mg/m³
Carcinogens 1A and 1B after 3 days according ISO-16000 / AgBB:	0,001 mg/m³

Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB:	0.001 mg/m³
SVOC after 3 days according ISO 16000-3 / AgBB:	N/A

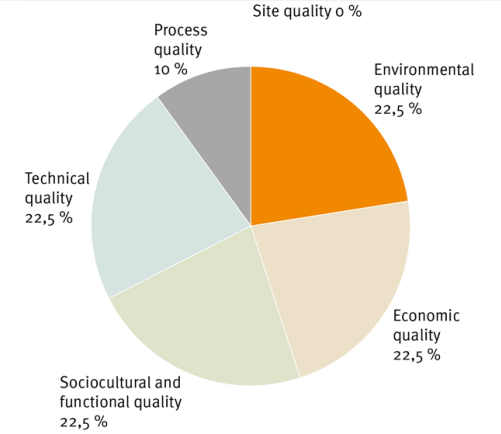
System description

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

System categories

Category Weighting



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

Source: DGNB NBV 15

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 300	EPD available: Yes

An environmental product declaration exists for the product:

EGOSILICON 300	Yes

EPD Owner of the Declaration:

EGOSILICON 300	DBC, EFCC, FEICA, IVK

EPD Publisher:

EGOSILICON 300	Institut Bauen und Umwelt e.V. (IBU)

EPD Programme holder:

EGOSILICON 300	Institut Bauen und Umwelt e.V. (IBU)

EPD Declaration number:

EGOSILICON 300	EPD-DBC-20220179-IBF1-EN

EPD Issue date:

EGOSILICON 300	31.08.2022

EPD valid to:

EGOSILICON 300	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 300	Quality level 4 of 4

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

EGOSILICON 300	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 300	Quality level 4

Achieved quality level in DGNB ENV 1.2 Row 12:

EGOSILICON 300	Quality level 4

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

EGOSILICON 300	Yes

Free of chlorinated paraffins (CP):

EGOSILICON 300	Yes

Content of solvent < 1 %:

EGOSILICON 300	Yes

Content of solvents:

EGOSILICON 300	0 %

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

EGOSILICON 300	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 300	Quality level 4

Achieved quality level in DGNB ENV 1.2 Row 13:

EGOSILICON 300	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 300	Yes

Content of VOC < 1 %:

EGOSILICON 300	Yes

Content of VOC:

EGOSILICON 300	0 %

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

EGOSILICON 300	No

Certified EMICODE standard:

EGOSILICON 300	no entry

Contact Details Manufacturer

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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.