Building Material Scout

Product Verification

Sustainability

Self declared according to BREEAM International New Construction 2016 / V6.0

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

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

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

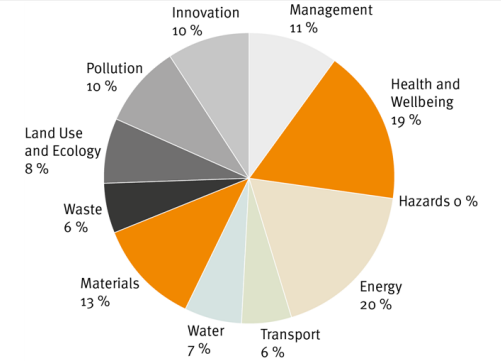
System description

The 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 / V6.0

Health and wellbeing

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

The product contributes toward satisfying Hea 02 Indoor air quality:

EGOSILICON 300	Yes

The product contributes toward satisfying Hea 02 Indoor air quality:

EGOSILICON 300	Yes

Interior adhesives and sealants (including flooring adhesives)

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

EGOSILICON 300	Yes

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

EGOSILICON 300	Yes

The product is an adhesive or sealant:

EGOSILICON 300	Yes

The application of the product is inside a building:

EGOSILICON 300	Yes

Formaldehyde after 28 days ≤ 0.06 mg/m³:

EGOSILICON 300	Yes

Formaldehyde emissions according DIN EN 717-1:

EGOSILICON 300	≤ 0.002 mg/m³

TVOC after 28 days ≤ 1.0 mg/m³:

EGOSILICON 300	Yes

TVOC after 28 days:

EGOSILICON 300	< 0.016 mg/m³

Category 1A and 1B carcinogens after 28 days ≤ 0.001 mg/m³:

EGOSILICON 300	Yes

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

EGOSILICON 300	< 0.001 mg/m³

Certified with eco-INSTITUT-Label:

EGOSILICON 300	No

Certified with UL Greenguard Gold:

EGOSILICON 300	No

Certified with UL Greenguard:

EGOSILICON 300	No

GREENGUARD certification confirms that there are no measured carcinogens:

EGOSILICON 300	No

Certified with Indoor Air Comfort:

EGOSILICON 300	No

Certified with Indoor Air Comfort Gold:

EGOSILICON 300	No

Certified with M1 Emission Classification of Building Materials:

EGOSILICON 300	No

Certified EMICODE standard:

EGOSILICON 300	no entry

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 300	Yes

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

EGOSILICON 300	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 floorng adhesives):

EGOSILICON 300	Yes

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

EGOSILICON 300	Yes

The product is an adhesive or sealant:

EGOSILICON 300	Yes

The application of the product is inside a building:

EGOSILICON 300	Yes

Formaldehyde after 28 days ≤ 0.01 mg/m³:

EGOSILICON 300	Yes

Formaldehyde emissions according DIN EN 717-1:

EGOSILICON 300	≤ 0.002 mg/m³

TVOC after 28 days ≤ 0.3 mg/m³:

EGOSILICON 300	Yes

TVOC after 28 days:

EGOSILICON 300	< 0.016 mg/m³

TSVOC after 28 days ≤ 0,1 mg/m³:

EGOSILICON 300	Yes

TSVOC after 28 days:

EGOSILICON 300	< 0.005 mg/m³

Category 1A and 1B carcinogens after 28 days ≤ 0.001 mg/m³:

EGOSILICON 300	Yes

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

EGOSILICON 300	< 0.001 mg/m³

Certified with Indoor Air Comfort Gold:

EGOSILICON 300	No

Certified EMICODE standard:

EGOSILICON 300	no entry

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 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

Contact Details Manufacturer

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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.