Building Material Scout

Product Verification

Sustainability

Self declared according to LEED Building Design and Construction V3 (2009)

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

Indoor Environmental Quality

Criteria	Product Verification
IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants	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 entire product contributes toward satisfying IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants: Yes

Ecolabels & Product-Assessments

AgBB tested

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:

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
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	11.177539584701767 ° 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

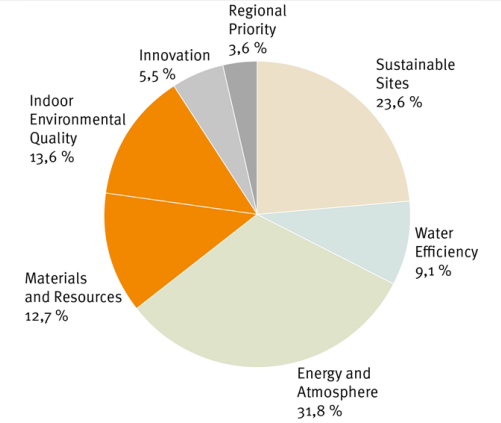
System description

The American LEED (Leadership in Energy and Environmental Design) certification system was published by the USGBC (U.S. Green Building Council) in the late 1990s. The LEED system can be used internationally for all buildings, regardless of whether it is a new building, refurbishment or existing building. In LEED v3 a total of seven environmental categories with different credits are considered, in which up to 110 points can be collected. The LEED levels of certification which can be achieved are Certified, Silver, Gold and Platinum. Up to now, more than 92,000 LEED projects have been registered in 167 countries, of which 39,000 have already achieved a certificate (as of October 2017).

Source: www.usgbc.org

System categories

Category Weighting



Category	Category considered in product verification
Sustainable Sites (SS)	No
Water Efficiency (WE)	No
Energy and Atmosphere (EA)	No
Materials and Ressources (MR)	Yes
Indoor Environmental Quality (EQ)	Yes
Innovation (IN)	No
Regional Priority (RP)	No

Source: LEED 2009 - New Construction

Detailed Verification

Self declared according to LEED Building Design and Construction V3 (2009)

Indoor Environmental Quality

IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants

The entire product contributes toward satisfying IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants:

EGOSILICON 300	Yes

The product contributes toward satisfying IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants:

EGOSILICON 300	Yes

The product is an adhesive or sealant:

EGOSILICON 300	Yes

The adhesive or sealant is wet applied on the construction site:

EGOSILICON 300	Yes

The application of the product is inside a building:

EGOSILICON 300	Yes

The application of the product is outside of a building:

EGOSILICON 300	Yes

VOC product type for adhesives & sealants according to LEED v3:

EGOSILICON 300	SEALANTS Architectural

VOC limit (adhesives & sealants) according to LEED v3 - Limit:

EGOSILICON 300	250

VOC limit (adhesives & sealants) according to LEED v3 - Unit:

EGOSILICON 300	g/l

VOC Limit (adhesives & sealants) according to LEED v3 - Standard:

EGOSILICON 300	SCAQMD Rule 1168 (effective date of July 1, 2005 and rule amendment date of January 7, 2005)

VOC content of product (less water):

EGOSILICON 300	51 g/l

VOC content of product (less water):

EGOSILICON 300	0 %

Other remarks on classification of LEED v3 Low Emitting Materials:

EGOSILICON 300	No Information

Contact Details Manufacturer

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Disclaimer

This verification is the evaluation and ranking of products in terms of the certification system LEED 2009 (Building Design and Construction). The USGBC (U.S. Green Building Council) generally does not certify products. Therefore the project team or the manufacturer is responsible to declare compliance with respect to the LEED 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 LEED 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 LEED 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 LEED 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.