

Product Verification

Sustainability

Self declared according to LEED Building Design and Construction V4 (2015)

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

Materials and Resources

Criteria

Product Verification

MR Credit Life-Cycle Impact Reduction - Option 4: Whole-Building Life-Cycle Assessment	EPD available: Yes
MR Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration	50 % weighted value

Indoor Environmental Quality

Criteria

Product Verification

EQ Credit Low-Emitting Materials (except Healthcare and Schools)	Yes
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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 under LEED MR Building Life-Cycle Impact Redcutsions - Option 4: Whole-Building Life-Cycle Assessment: EPD available: Yes
- Weighted Product Value on Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration: 50 % weighted value
- The entire product contributes toward satisfying EQ Credit: Low-Emitting Materials: Yes

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 ²
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 ³
R-Value according to AgBB:	0,01
TVOC after 3 days according ISO 16000-3 / AgBB:	0,28 mg/m ³
TVOC after 28 days according ISO 16000-3 / AgBB:	0,038 mg/m ³
Carcinogens 1A and 1B after 3 days according ISO-16000 / AgBB:	0,001 mg/m ³
Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB:	0.001 mg/m ³
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:

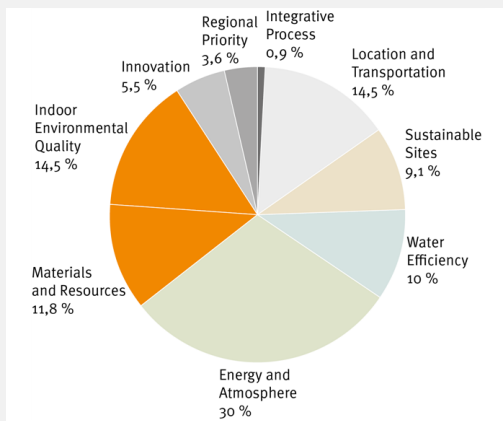
■ System description

This verification is the evaluation and ranking of products in terms of the certification system LEED version 4 (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.

Source: www.usgbc.org

■ System categories

Category Weighting



Category

Category considered in product verification

Integrative Process (IP)	No
Location and Transportation (LT)	No
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 v4 - New Construction

Detailed Verification

Self declared according to LEED Building Design and Construction V4 (2015)

Materials and Resources

MR Credit Life-Cycle Impact Reduction - Option 4: Whole-Building Life-Cycle Assessment

The product has an Environmental Product Declaration (EPD), which can be used to calculate the building life cycle assessment under LEED MR Building Life-Cycle Impact Redcuts - Option 4: Whole-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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MR Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration

Weighted Product Value on Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration:

EGOSILICON 151	50 % weighted value
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An environmental product declaration exists for the product:

EGOSILICON 151	Yes
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EPD Type:

EGOSILICON 151	Industry-wide (generic) EPD (Type III) conform to ISO 14025, 14040, 14044, and EN 15804 or ISO 21930
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■ Indoor Environmental Quality

■ EQ Credit Low-Emitting Materials (except Healthcare and Schools)

The entire product contributes toward satisfying EQ Credit: Low-Emitting Materials:

EGOSILICON 151	Yes
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The product contributes toward satisfying EQ Credit 4: Low-Emitting Materials:

EGOSILICON 151	Yes
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Interior adhesives and sealants applied on site (including flooring adhesive)

The entire product contributes toward satisfying EQ Credit 4: Low Emitting Materials, Category Adhesives and Sealants:

EGOSILICON 151	Yes
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The product contributes toward satisfying EQ Credit 4: Low Emitting Materials, Category Adhesives and Sealants:

EGOSILICON 151	Yes
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The product is an adhesive or sealant:

EGOSILICON 151	Yes
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The adhesive or sealant is wet applied on the construction site:

EGOSILICON 151	Yes
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The application of the product is inside a building:

EGOSILICON 151	Yes
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The application of the product is outside of a building:

EGOSILICON 151	Yes
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VOC product type for adhesives & sealants according to LEED v4/WELL v1:

EGOSILICON 151	Sealants Other
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VOC limit (adhesives & sealants) according to LEED v4/WELL v1 - Limit:

EGOSILICON 151	420
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VOC limit (adhesives & sealants) according to LEED v4/WELL v1 - Unit:

EGOSILICON 151	g/l
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VOC Limit (adhesives & sealants) according to LEED v4/WELL v1 - Standard:

EGOSILICON 151	SCAQMD Rule 1168, July 1, 2005)
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VOC content of product (less water):

EGOSILICON 151	0 g/l
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VOC content of product (less water):

EGOSILICON 151	0 %
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TVOC after 14 days:

EGOSILICON 151	No Information
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Formaldehyde emissions according DIN EN 717-1:

EGOSILICON 151	$\leq 0.002 \text{ mg/m}^3$
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Emission testing method according CDPH Standard Method v1.1-2010:

EGOSILICON 151	No
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Emission testing method according AgBB Testing and Evaluation Scheme (2010):

EGOSILICON 151	Yes
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Emission testing method according ISO 16000-3: 2010, ISO 16000-6: 2011, ISO 16000-9: 2006, ISO 16000-11:2006 either in conjunction with AgBB, or with French legislation on VOC emission class labeling:

EGOSILICON 151	Yes
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Emission testing method according DIBt testing method (2010):

EGOSILICON 151	No
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■ Contact Details Manufacturer

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



■ Disclaimer

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