

Product Verification

Sustainability

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

■ Product Systems

EGOSILICON 351

EGO Dichtstoffwerke GmbH & Co. Betriebs KG

EGOSILICONE 351 is a ready-to-use, high-quality single-component silicone sealant that is free from plasticisers and vulcanises through reaction with air humidity to form an elastic end product. The product is suitable for natural stone in both indoor and outdoor areas.

The product is:

- creep-free
- compatible with natural stone
- colored fungicidal adjusted
- shiny abrasion resistant
- water-proof
- optimum skin-forming time

Sealing connection and movement joints in the sanitary sector, as well as for natural and artificial stone.

EGOSILICONE 351 fulfills the requirements according to EMICODE EC 1.

<https://www.ego.de/produkt/egosilicon351>



■ 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 Reductions - 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

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:

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
Free (< 0,1 %) of hydrocarbon (KWS) plasticizer:	Yes
Recycled content post-consumer:	N/A
Recycled content pre-consumer:	N/A
VOC content according 2004/42/EG:	0 g/l
VOC content according 2004/42/EG:	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:	Yes



Content of VOC:	0 %
Content of solvents:	0 %
Free (< 0,1 %) of halogens:	Yes
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 tin:	Yes
Free of plasticizer according to VdL-RL01:	Yes

Manufacturer:

Environmental Management System according ISO 14001:	Yes
Are reverse logistics in place for the product?	No
Final manufacturing location of the product: longitude	11.177829263566535 ° DDD
Final manufacturing location of the product: latitude	47.49054076514584 ° DDD

Emissions:

Formaldehyde emissions after 28 days according DIN EN 717-1:	0.002 mg/m³
R-Value according to AgBB:	0,02
TVOC after 3 days according ISO 16000-3 / AgBB:	0,89 mg/m³
TVOC after 28 days according ISO 16000-3 / AgBB:	0,049 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
SVOC after 28 days according ISO 16000-3 / AgBB:	N/A

Life Cycle Assessment:

Functional use period	N/A
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Circularity:

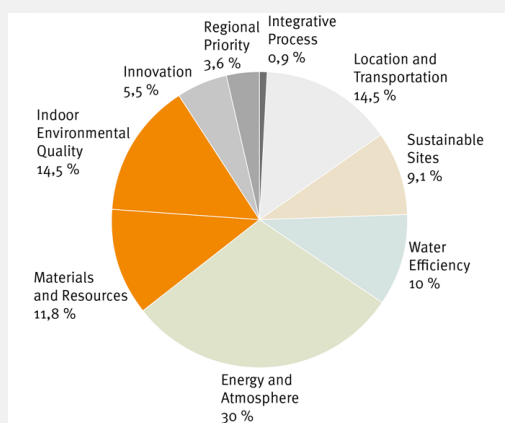
■ System description

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 Reductions - Option 4: Whole-Building Life-Cycle Assessment:

EGOSILICON 351	EPD available: Yes
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An environmental product declaration exists for the product:

EGOSILICON 351	Yes
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EPD Owner of the Declaration:

EGOSILICON 351	DBC, EFCC, FEICA, IVK
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EPD Publisher:

EGOSILICON 351	Institut Bauen und Umwelt e.V. (IBU)
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EPD Programme holder:

EGOSILICON 351	Institut Bauen und Umwelt e.V. (IBU)
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EPD Declaration number:

EGOSILICON 351	EPD-DBC-20220180-IBF1-EN
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EPD Issue date:

EGOSILICON 351	31.08.2022
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EPD valid to:

EGOSILICON 351	30.08.2027
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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 351	50 % weighted value
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An environmental product declaration exists for the product:

EGOSILICON 351	Yes
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EPD Type:

EGOSILICON 351	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 351	Yes
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The product contributes toward satisfying EQ Credit 4: Low-Emitting Materials:

EGOSILICON 351	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 351	Yes
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The product contributes toward satisfying EQ Credit 4: Low Emitting Materials, Category Adhesives and Sealants:

EGOSILICON 351	Yes
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The product is an adhesive or sealant:

EGOSILICON 351	Yes
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The adhesive or sealant is wet applied on the construction site:

EGOSILICON 351	Yes
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The application of the product is inside a building:

EGOSILICON 351	Yes
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The application of the product is outside of a building:

EGOSILICON 351	Yes
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VOC product type for adhesives & sealants according to LEED v4/WELL v1:

EGOSILICON 351	Sealants Architectural
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VOC limit (adhesives & sealants) according to LEED v4/WELL v1 - Limit:

EGOSILICON 351	250
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VOC limit (adhesives & sealants) according to LEED v4/WELL v1 - Unit:

EGOSILICON 351	g/l
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VOC Limit (adhesives & sealants) according to LEED v4/WELL v1 - Standard:

EGOSILICON 351	SCAQMD Rule 1168, July 1, 2005)
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VOC content of product (less water):

EGOSILICON 351	51 g/l
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VOC content of product (less water):

EGOSILICON 351	0 %
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TVOC after 14 days:

EGOSILICON 351	No Information
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Formaldehyde emissions according DIN EN 717-1:

EGOSILICON 351	$\leq 0.002 \text{ mg/m}^3$
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Emission testing method according CDPH Standard Method v1.1-2010:

EGOSILICON 351	No
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Emission testing method according AgBB Testing and Evaluation Scheme (2010):

EGOSILICON 351	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 351	Yes
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Emission testing method according DIBt testing method (2010):

EGOSILICON 351	No
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■ Contact Details Manufacturer

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



■ Disclaimer

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