

# Product Verification

## Sustainability

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

### Product Systems

#### EGOSILICON 333

EGO Dichtstoffwerke GmbH & Co. Betriebs KG

EGOSILICONE 333 is a neutral, 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 free of 2 methylkethyl ketone oximes (MEKO) and methylisobutyl ketone oximes (MIBKO). - extreme adhesion power - high mechanic strength - stable - tested as per ift regulation DI-o1/1 and DI-o2/1 - fast complete vulcanisation - tack-free after the shortest time - good processing quality For modern glass architecture and weather-resistant sealing of silicone-bonded outdoor facades (two-sided structural glazing), for conservatories and roof glazing. For sealing of silicone-bonded insulating glass and VSG.

EGOSILICONE 333 fulfills the requirements according to EMICODE EC 1 PLUS.

<https://www.ego.de/produkt/egosilicon333>



## ■ Product Assessment

### Indoor Environmental Quality

#### Criteria

#### Product Verification

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

## Ecolabels & Product-Assessments

AgBB tested



ISO 9001 - Quality  
Management System



EMICODE EC1plus



SCAQMD 1168



French VOC-Label A+



ISO 14001 - Environmental  
Management System



## Product Properties

### Manufacturer:

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

### Ingredients:

Recycled content post-consumer:	N/A
Recycled content pre-consumer:	N/A
Free (< 0,1 %) of polybrominated diphenyl ethers (= PBDE):	Yes
Free (< 0,1 %) of chlorinated paraffins (= CP inkl. SCCP, MCCP, LCCP):	Yes
Free (< 0,1 %) of biocidal:	Yes
VOC content according 2004/42/EG:	0 g/l
Content of solvents:	0 %
Free (< 0,1 %) of hydrocarbon (KWS) plasticizer:	Yes
Content of VOC:	0 %
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%
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
SVHC according REACH < 0,1 %:	Yes
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
Free (< 0,1 %) of halogens:	Yes
Free of plasticizer according to VdL-RL01:	Yes

#### **Emissions:**

Formaldehyde emissions after 28 days according DIN EN 717-1:	0,002 mg/m <sup>3</sup>
R-Value according to AgBB:	0,00
TVOC after 3 days according ISO 16000-3 / AgBB:	0,48 mg/m <sup>3</sup>
TVOC after 28 days according ISO 16000-3 / AgBB:	0,016 mg/m <sup>3</sup>
SVOC after 3 days according ISO 16000-3 / AgBB:	N/A
SVOC after 28 days according ISO 16000-3 / AgBB:	0,005 mg/m <sup>3</sup>
Carcinogens 1A and 1B after 3 days according ISO-16000 / AgBB:	0,001 mg/m <sup>3</sup>
Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB:	0,001 mg/m <sup>3</sup>

#### **Life Cycle Assessment:**

Functional use period	N/A
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#### **Circularity:**

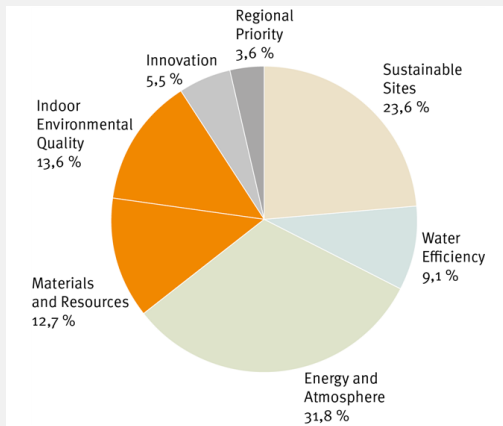
■ System description

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](http://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 Resources (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 333	Yes
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The product contributes toward satisfying IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants:

EGOSILICON 333	Yes
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The product is an adhesive or sealant:

EGOSILICON 333	Yes
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The adhesive or sealant is wet applied on the construction site:

EGOSILICON 333	Yes
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The application of the product is inside a building:

EGOSILICON 333	Yes
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The application of the product is outside of a building:

EGOSILICON 333	Yes
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VOC product type for adhesives & sealants according to LEED v3:

EGOSILICON 333	SEALANTS Architectural
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VOC limit (adhesives & sealants) according to LEED v3 - Limit:

EGOSILICON 333	250
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VOC limit (adhesives & sealants) according to LEED v3 - Unit:

EGOSILICON 333	g/l
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VOC Limit (adhesives & sealants) according to LEED v3 - Standard:

EGOSILICON 333	SCAQMD Rule 1168 (effective date of July 1, 2005 and rule amendment date of January 7, 2005)
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VOC content of product (less water):

EGOSILICON 333	0 g/l
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VOC content of product (less water):

EGOSILICON 333	0 %
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Other remarks on classification of LEED v3 Low Emitting Materials:

EGOSILICON 333	No Information
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#### ■ Contact Details Manufacturer

##### EGO Dichtstoffwerke GmbH & Co. Betriebs KG

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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.