Building Material Scout

Product Verification

Sustainability

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

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 methylisobuthyl ketone oximes (MIBKO). - extreme adhesion power - high mechanic strength - stable - tested as per ift regulation DI-01/1 and DI-02/1 - 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

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

AgBB Ausschuss zur gesundheitlichen Bewertung von Bauprodukten

EMICODE EC1plus

GEV-EMICODE EC 1 PLUS sehr emissionsarm

French VOC-Label A+

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

ISO 14001 - Environmental Management System

ISO

ISO 9001 - Quality Management System

ISO

SCAQMD 1168

South Coast AQMD

Product Properties

Manufacturer:

Environmental Management System according ISO 14001:	Yes
Final manufacturing location of the product: latitude	47.490540765145 84 ° 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/m³
R-Value according to AgBB:	0,00
TVOC after 3 days according ISO 16000-3 / AgBB:	0,48 mg/m³
TVOC after 28 days according ISO 16000-3 / AgBB:	0,016 mg/m³
SVOC after 3 days according ISO 16000-3 / AgBB:	N/A
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

Life Cycle Assessment:

Functional use period	N/A

Circularity:

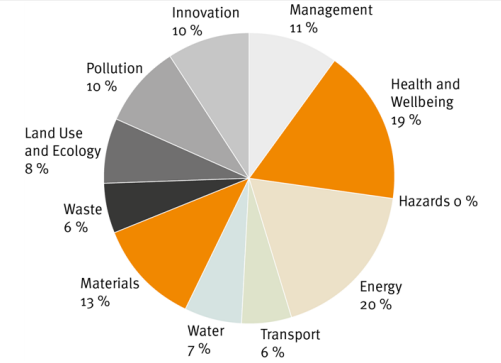
System description

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 333	Yes

The product contributes toward satisfying Hea 02 Indoor air quality:

EGOSILICON 333	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 333	Yes

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

EGOSILICON 333	Yes

The product is an adhesive or sealant:

EGOSILICON 333	Yes

The application of the product is inside a building:

EGOSILICON 333	Yes

Formaldehyde after 28 days ≤ 0.06 mg/m³:

EGOSILICON 333	Yes

Formaldehyde emissions according DIN EN 717-1:

EGOSILICON 333	≤ 0.002 mg/m³

TVOC after 28 days ≤ 1.0 mg/m³:

EGOSILICON 333	Yes

TVOC after 28 days:

EGOSILICON 333	< 0.016 mg/m³

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

EGOSILICON 333	Yes

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

EGOSILICON 333	< 0.001 mg/m³

Certified with eco-INSTITUT-Label:

EGOSILICON 333	No

Certified with UL Greenguard Gold:

EGOSILICON 333	No

Certified with UL Greenguard:

EGOSILICON 333	No

GREENGUARD certification confirms that there are no measured carcinogens:

EGOSILICON 333	No

Certified with Indoor Air Comfort:

EGOSILICON 333	No

Certified with Indoor Air Comfort Gold:

EGOSILICON 333	No

Certified with M1 Emission Classification of Building Materials:

EGOSILICON 333	No

Certified EMICODE standard:

EGOSILICON 333	EMICODE EC1PLUS

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 333	Yes

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

EGOSILICON 333	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 333	Yes

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

EGOSILICON 333	Yes

The product is an adhesive or sealant:

EGOSILICON 333	Yes

The application of the product is inside a building:

EGOSILICON 333	Yes

Formaldehyde after 28 days ≤ 0.01 mg/m³:

EGOSILICON 333	Yes

Formaldehyde emissions according DIN EN 717-1:

EGOSILICON 333	≤ 0.002 mg/m³

TVOC after 28 days ≤ 0.3 mg/m³:

EGOSILICON 333	Yes

TVOC after 28 days:

EGOSILICON 333	< 0.016 mg/m³

TSVOC after 28 days ≤ 0,1 mg/m³:

EGOSILICON 333	Yes

TSVOC after 28 days:

EGOSILICON 333	< 0.005 mg/m³

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

EGOSILICON 333	Yes

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

EGOSILICON 333	< 0.001 mg/m³

Certified with Indoor Air Comfort Gold:

EGOSILICON 333	No

Certified EMICODE standard:

EGOSILICON 333	EMICODE EC1PLUS

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 333	EPD available: Yes

An environmental product declaration exists for the product:

EGOSILICON 333	Yes

EPD Owner of the Declaration:

EGOSILICON 333	DBC, EFCC, FEICA, IVK

EPD Publisher:

EGOSILICON 333	Institut Bauen und Umwelt e.V. (IBU)

EPD Programme holder:

EGOSILICON 333	Institut Bauen und Umwelt e.V. (IBU)

EPD Declaration number:

EGOSILICON 333	EPD-DBC-20220179-IBF1-EN

EPD Issue date:

EGOSILICON 333	31.08.2022

EPD valid to:

EGOSILICON 333	30.08.2027

Contact Details Manufacturer

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DE
http://www.ego.de/

Disclaimer

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