

Product Verification

Sustainability

Self declared according to BNB BN 2015

■ Product Systems

EGOSILICON 365

EGO Dichtstoffwerke GmbH & Co. Betriebs KG

EGOSILICON 365 ALL IN ONE is suitable for universal use on all common substrates in natural stone, sanitary, building construction, glass & metal construction, kitchen and wood construction as well as in permanent wet and pool areas. For connection and expansion joints that require high movement absorption.

<https://www.ego.de/produkt/egosilicon365>



Product Assessment

Environmental Quality

Criteria

Product Verification

1.1.1/1.1.2/1.1.3/1.1.4/1.1.5/1.2.1 Life Cycle Assessment (Updated on: 01.03.2017)	EPD available: Yes
1.1.6 Local environmental impact (Updated on: 28.09.2017)	Quality level 3 of 5

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: EPD available: Yes
- Achieved quality level in BNB Criteria 1.1.6 Local environmental impact for the entire product: Quality level 3 of 5

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:	0 g/m ²
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/m ³
R-Value according to AgBB:	0,02
TVOC after 3 days according ISO 16000-3 / AgBB:	0,89 mg/m ³
TVOC after 28 days according ISO 16000-3 / AgBB:	0,049 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:

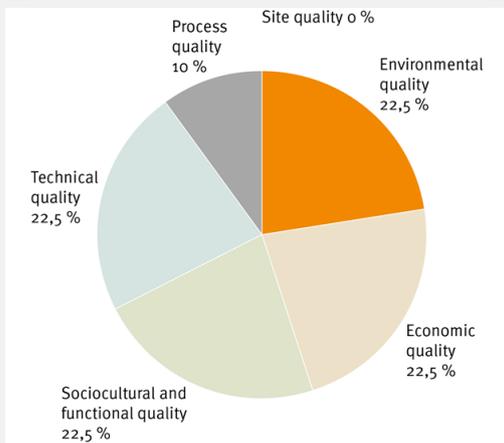
■ System description

In cooperation between the Bundesbauministerium/Bundesinstitut für Bau-, Stadt- und Raumforschung (BBSR) and the German Sustainable Building Council e. V. (DGNB) the System "Bewertungssystem Nachhaltiges Bauen (BNB)" for federal buildings was developed. The BNB system evaluates buildings holistically on the basis of individual criteria within the categories Ecological Quality, Economic Quality, Sociocultural and Functional Quality, Technical Quality, Process Quality and Location Quality. Buildings can achieve a certification in Bronze, Silver and Gold.

Source: www.bnb-nachhaltigesbauen.de

■ System categories

Category Weighting



Category

Category considered in product verification

Environmental quality	Yes
Economic quality	No
Sociocultural quality	No
Technical quality	No
Process quality	No
Site quality	No

Source: BNB 2015

Detailed Verification

Self declared according to BNB BN 2015

Environmental Quality

1.1.1/1.1.2/1.1.3/1.1.4/1.1.5/1.2.1 Life Cycle Assessment (Updated on: 01.03.2017)

The product has an Environmental Product Declaration (EPD) which can be used to calculate the building life cycle assessment:

EGOSILICON 365	EPD available: Yes
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An environmental product declaration exists for the product:

EGOSILICON 365	Yes
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EPD Owner of the Declaration:

EGOSILICON 365	DBC, EFCC, FEICA, IVK
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EPD Publisher:

EGOSILICON 365	Institut Bauen und Umwelt e.V. (IBU)
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EPD Programme holder:

EGOSILICON 365	Institut Bauen und Umwelt e.V. (IBU)
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EPD Declaration number:

EGOSILICON 365	EPD-DBC-20220180-IBF1-EN
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EPD Issue date:

EGOSILICON 365	31.08.2022
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EPD valid to:

EGOSILICON 365	30.08.2027
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1.1.6 Local environmental impact (Updated on: 28.09.2017)

Achieved quality level in BNB Criteria 1.1.6 Local environmental impact for the entire product:

EGOSILICON 365	Quality level 3 of 5
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Achieved quality level in BNB Criterion 1.1.6 Local environmental impact:

EGOSILICON 365	Quality level 3
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Manufacturer statement regarding REACH is available:

EGOSILICON 365	Yes
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Row 8: On-site processed sealants, joint sealants, adhesives - Adhesives and sealants made of PU, SMP (silane-modified polymers), acrylate (including dispersion adhesives) or silicone

Achieved quality level in BNB 1.1.6 Row 8 for the entire product:

EGOSILICON 365	Quality level 3
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Achieved quality level in BNB 1.1.6 Row 8:

EGOSILICON 365	Quality level 3
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Adhesives and sealants - (PU, SMP, acrylate, dispersion, silicone) (BNB BN 2015 1.1.6 Row 8):

EGOSILICON 365	Yes
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The product is a PU adhesive:

EGOSILICON 365	No
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Classification according to GISCODE:

EGOSILICON 365	no entry
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Free of polybrominated diphenyl ethers (= PBDE), , Polybromierte Biphenyle (= PBB) and Tris-(2-carboxyethyl)-phosphin (= TCEP):

EGOSILICON 365	Yes
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Free of chlorinated paraffins (CP):

EGOSILICON 365	Yes
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The product is a amine- or oxime-curing silicone:

EGOSILICON 365	Yes
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Certified RAL-UZ (Blue Angel) Standard:

EGOSILICON 365	no entry
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Certified EMICODE standard:

EGOSILICON 365	EMICODE EC1
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Certified with EMICODE EC1/EC1PLUS, EC1-R/EC1PLUS-R:

EGOSILICON 365	Yes
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Declaration of biocidal active substances present (if used):

EGOSILICON 365	Yes
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Free of biocidal:

EGOSILICON 365	No
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Row 9: On-site processed adhesives and sealants - Adhesives and sealants for the creation of airtightness on the facade inside and outside: z. B. PU, PU hybrid, MS polymer, SMP or similar

Achieved quality level in BNB 1.1.6 Row 9 for the entire product:

EGOSILICON 365	Quality level 5
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Achieved quality level in BNB 1.1.6 Row 9:

EGOSILICON 365	Quality level 5
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Adhesives and sealants (PU, PU hybrid, MS polymer, SMP or the like) - for making the façade airtight (BNB BN 2015 1.1.6 Row 9):

EGOSILICON 365	Yes
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VOC content:

EGOSILICON 365	≤ 0 g/l
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■ Contact Details Manufacturer

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



■ Disclaimer

This verification is the evaluation and ranking of products in terms of the certification system BNB 2015 (New construction of office buildings). The BNB (Bewertungssystem Nachhaltiges Bauen) generally does not certify products. Therefore the project team or the manufacturer is responsible to declare compliance with respect to the BNB 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 BNB 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 BNB 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 BNB 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.