

Product Verification

Sustainability

Self declared according to BNB BN 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

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
1.1.7 Sustainable material extraction / biodiversity (Updated on: 01.03.2017)	N/A

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 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:

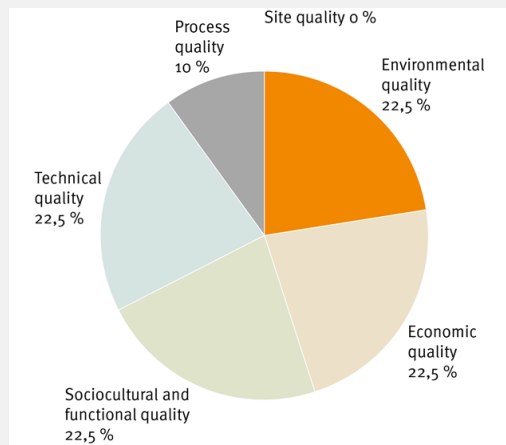
■ System description

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

EGOSILICON 151	Quality level 3
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Manufacturer statement regarding REACH is available:

EGOSILICON 151	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 151	Quality level 3
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Achieved quality level in BNB 1.1.6 Row 8:

EGOSILICON 151	Quality level 3
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Adhesives and sealants - (PU, SMP, acrylate, dispersion, silicone) (BNB BN 2015 1.1.6 Row 8):

EGOSILICON 151	Yes
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The product is a PU adhesive:

EGOSILICON 151	No
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Classification according to GISCODE:

EGOSILICON 151	no entry
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Free of polybrominated diphenyl ethers (= PBDE), , Polybromierte Biphenyle (= PBB) and Tris-(2-carboxyethyl)-phosphin (= TCEP):

EGOSILICON 151	Yes
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Free of chlorinated paraffins (CP):

EGOSILICON 151	Yes
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The product is a amine- or oxime-curing silicone:

EGOSILICON 151	Yes
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Certified RAL-UZ (Blue Angel) Standard:

EGOSILICON 151	no entry
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Certified EMICODE standard:

EGOSILICON 151	EMICODE EC1
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Declaration of biocidal active substances present (if used):

EGOSILICON 151	Yes
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Free of biocidal:

EGOSILICON 151	No
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■ 1.1.7 Sustainable material extraction / biodiversity (Updated on: 01.03.2017)

Achieved quality level in BNB Environmental Quality 1.1.7 Sustainable material extraction for the entire product:

EGOSILICON 151	N/A
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■ Contact Details Manufacturer

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DE
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■ 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.