

Product Verification

Sustainability

Self declared according to BNB BN 2015

Product Systems

EGO SMP 818

EGO Dichtstoffwerke GmbH & Co. Betriebs KG

EGO SMP 818 is a single-component, weather-resistant high-performance hybrid-based sealant of the latest generation. It is odourless and vulcanised with air humidity to form an elastic end product. It does not contain solvents, is free from silicone and isocyanate and provides optimum processing properties. This is a low-modular joint sealant with early resistance according to DIN 18540-fb and DIN EN 15651-1 for facade areas. Suitable for durable elastic joint seals in indoor and outdoor areas, especially for sealing of joints in buildings and other aboveground structures as per DIN 18540 and of connection and expansion joints in concrete and timber structures as well as apparatus and metal constructions. Excellent adhesion on glass, masonry, aluminium, hard PVC and various plastic substructures. Perfectly suited for connection joints around windows and doors, in dry-wall construction and for roofs. EGO SMP 818 has been tested for utilisation in the food sector and is well suited for areas where silicone- and isocyanate-free products are required. EGO SMP 818 fulfills the requirements according to EMICODE EC 1 PLUS.

<https://www.ego.de/produkt/egosmp818>



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 5 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 5 of 5

■ Ecolabels & Product-Assessments

AgBB tested



EMICODE EC1plus



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%
SVHC according REACH < 0,1 %:	Yes
VOC content according 2004/42/EG:	0 g/l
VOC content according 2004/42/EG:	0 g/m2
Recycled content pre-consumer:	N/A
Recycled content post-consumer:	N/A
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 biocidal:	Yes
Free (< 0,1 %) of chlorinated paraffins (= CP inkl. SCCP, MCCP, LCCP):	Yes
Free (< 0,1 %) of polybrominated diphenyl ethers (= PBDE):	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 tin:	Yes
Free (< 0,1 %) of halogenated flame retardants:	Yes
Content of VOC:	0 %
Content of solvents:	0 %
Free (< 0,1 %) of halogens:	Yes
Free of plasticizer according to VdL-RL01:	Yes
Free (< 0,1 %) of hydrocarbon (KWS) plasticizer:	Yes

Manufacturer:

Environmental Management System according ISO 14001:	Yes
Final manufacturing location of the product: latitude	47.4902251743193 ° DDD
Final manufacturing location of the product: longitude	11.177732703797371 ° DDD

Emissions:

Formaldehyde emissions after 28 days according DIN EN 717-1:	0,002 mg/m ³
R-Value according to AgBB:	0,00
TVOC after 3 days according ISO 16000-3 / AgBB:	0,17 mg/m ³
TVOC after 28 days according ISO 16000-3 / AgBB:	0,005 mg/m ³
SVOC after 3 days according ISO 16000-3 / AgBB:	N/A
SVOC after 28 days according ISO 16000-3 / AgBB:	0,005 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

Life Cycle Assessment:

Functional use period	N/A
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Circularity:

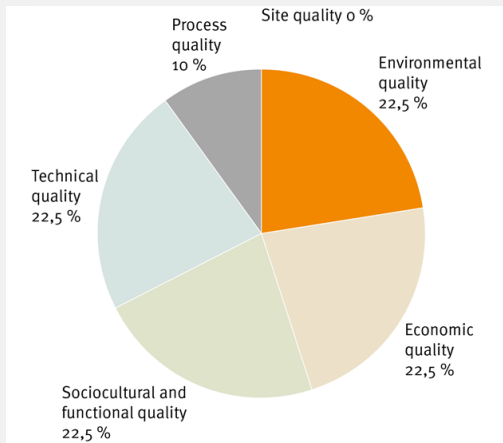
■ System description

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:

EGO SMP 818	EPD available: Yes
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An environmental product declaration exists for the product:

EGO SMP 818	Yes
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EPD Owner of the Declaration:

EGO SMP 818	DBC, EFCC, FEICA, IVK
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EPD Publisher:

EGO SMP 818	Institut Bauen und Umwelt e.V. (IBU)
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EPD Programme holder:

EGO SMP 818	Institut Bauen und Umwelt e.V. (IBU)
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EPD Declaration number:

EGO SMP 818	EPD-FEI-20220021-IBG1-EN
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EPD Issue date:

EGO SMP 818	01.06.2022
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EPD valid to:

EGO SMP 818	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:

EGO SMP 818	Quality level 5 of 5
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Achieved quality level in BNB Criterion 1.1.6 Local environmental impact:

EGO SMP 818	Quality level 5
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Manufacturer statement regarding REACH is available:

EGO SMP 818	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:

EGO SMP 818	Quality level 5
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Achieved quality level in BNB 1.1.6 Row 8:

EGO SMP 818	Quality level 5
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Adhesives and sealants - (PU, SMP, acrylate, dispersion, silicone) (BNB BN 2015 1.1.6 Row 8):

EGO SMP 818	Yes
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The product is a PU adhesive:

EGO SMP 818	No
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Classification according to GISCODE:

EGO SMP 818	GISCODE RE40
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Free of polybrominated diphenyl ethers (= PBDE), , Polybromierte Biphenyle (= PBB) and Tris-(2-carboxyethyl)-phosphin (= TCEP):

EGO SMP 818	Yes
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Free of chlorinated paraffins (CP):

EGO SMP 818	Yes
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The product is a amine- or oxime-curing silicone:

EGO SMP 818	No
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Certified RAL-UZ (Blue Angel) Standard:

EGO SMP 818	no entry
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Certified with Blue Angel - RAL-UZ 123:

EGO SMP 818	No
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Certified EMICODE standard:

EGO SMP 818	EMICODE EC1PLUS
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Certified with EMICODE EC1/EC1PLUS, EC1-R/EC1PLUS-R:

EGO SMP 818	Yes
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Declaration of biocidal active substances present (if used):

EGO SMP 818	No
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Free of biocidal:

EGO SMP 818	Yes
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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:

EGO SMP 818	Quality level 5
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Achieved quality level in BNB 1.1.6 Row 9:

EGO SMP 818	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):

EGO SMP 818	Yes
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VOC content:

EGO SMP 818	≤ 0 g/l
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■ Contact Details Manufacturer

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DE
<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.