

# Product Verification

## Sustainability

Self declared according to DGNB Neubau 2018

### 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 (ENV)

#### Criteria

#### Product Verification

ENV 1.1 Building life cycle assessment (Updated on: 16.07.2018)	EPD available: Yes
ENV 1.2 Local environmental impact (Updated on: 05.01.2022)	Quality level 4 of 4

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 DGNB 2018 Criteria ENV 1.2 Local environmental impact for the entire product: Quality level 4 of 4

## 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 <sup>3</sup>
R-Value according to AgBB:	0,00
TVOC after 3 days according ISO 16000-3 / AgBB:	0,17 mg/m <sup>3</sup>
TVOC after 28 days according ISO 16000-3 / AgBB:	0,005 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:

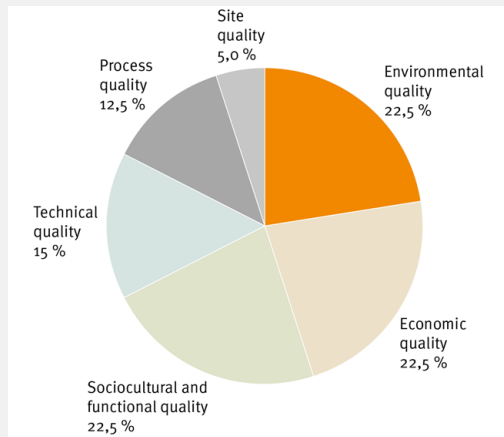
## System description

The DGNB certification system was founded by the "German Sustainable Building Council" and first appeared on the market in 2008. The DGNB 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. Different profiles allow the certification of new buildings and existing buildings, as well as of quarters in Germany and Internationally. Buildings can achieve a certification in Bronze, Silver, Gold and Platinum. Up to now, more than 3,500 projects have been awarded by the DGNB (as of June 2018).

Source: [www.dgnb.de](http://www.dgnb.de)

## System categories

### Category Weighting



### Category

### Category considered in product verification

Environmental quality (ENV)	Yes
Economic quality (ECO)	No
Sociocultural and functional quality (SOC)	No
Technical quality (TEC)	No
Process quality (PRO)	Yes
Site quality (SITE)	No

Source: DGNB 2018

# Detailed Verification

Self declared according to DGNB Neubau 2018

## ■ Environmental Quality (ENV)

### ■ ENV 1.1 Building life cycle assessment (Updated on: 16.07.2018)

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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### ■ ENV 1.2 Local environmental impact (Updated on: 05.01.2022)

Achieved quality level in DGNB 2018 Criteria ENV 1.2 Local environmental impact for the entire product:

EGO SMP 818	Quality level 4 of 4
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Achieved quality level in DGNB 2018 Criterion ENV 1.2 Local environmental impact:

EGO SMP 818	Quality level 4
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Row 13: Assembly adhesives and sealants on the facade, windows and exterior doors (provided by the customer). - Adhesive for the production of airtightness on the facade inside and outside: e.g. PU, PU hybrid, MS polymer, SMP or similar.

Achieved quality level in DGNB 2018 ENV 1.2 Row 13 for the entire product:

EGO SMP 818	Quality level 4
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Achieved quality level in DGNB 2018 ENV 1.2 Row 13:

EGO SMP 818	Quality level 4
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Adhesives and sealants (PU, PU hybrid, MS polymer, SMP or the like) - on the façade, windows and external doors (DGNB ENV1.2 Row 13):

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

EGO SMP 818	Yes
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Content of VOC < 1 %:

EGO SMP 818	Yes
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Content of VOC:

EGO SMP 818	0 %
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Content of halogenated propellants < 0,1 %:

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

EGO SMP 818	Yes
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Certified EMICODE standard:

EGO SMP 818	EMICODE EC1PLUS
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Certified with Indoor Air Comfort Gold:

EGO SMP 818	No
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#### ■ Contact Details Manufacturer

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

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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 DGNB 2018 (New construction building). The DGNB (Deutsche Gesellschaft für Nachhaltiges Bauen) generally does not certify products. Therefore the project team or the manufacturer is responsible to declare compliance with respect to the DGNB 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 DGNB 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 DGNB 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 DGNB 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.