

# Product Verification

## Sustainability

Self declared according to LEED Building Design and Construction V4 (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 isocyanatefree products are required. EGO SMP 818 fulfills the requirements according to EMICODE EC 1 PLUS.

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



## Product Assessment

### Materials and Resources

#### Criteria

#### Product Verification

MR Credit Life-Cycle Impact Reduction - Option 4: Whole-Building Life-Cycle Assessment	EPD available: Yes
MR Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration	50 % weighted value

### Indoor Environmental Quality

#### Criteria

#### Product Verification

EQ Credit Low-Emitting Materials (except Healthcare and Schools)	Yes
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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 under LEED MR Building Life-Cycle Impact Redcutsions - Option 4: Whole-Building Life-Cycle Assessment: EPD available: Yes
- Weighted Product Value on Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration: 50 % weighted value
- The entire product contributes toward satisfying EQ Credit: Low-Emitting Materials: Yes

■ 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:

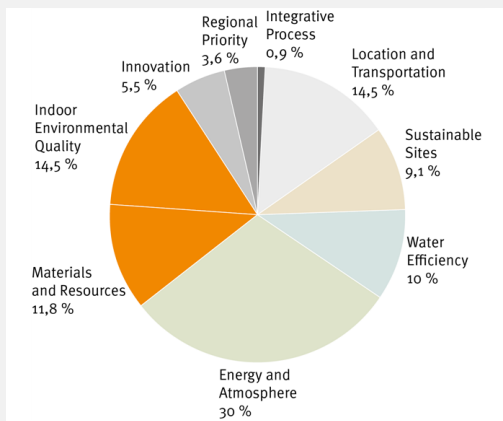
■ System description

This verification is the evaluation and ranking of products in terms of the certification system LEED version 4 (Building Design and Construction). The USGBC (U.S. Green Building Council) generally does not certify products. Therefore the project team or the manufacturer is responsible to declare compliance with respect to the LEED 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 LEED 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 LEED 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 LEED 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.

Source: [www.usgbc.org](http://www.usgbc.org)

■ System categories

Category Weighting



Category

Category considered in product verification

Integrative Process (IP)	No
Location and Transportation (LT)	No
Sustainable Sites (SS)	No
Water Efficiency (WE)	No
Energy and Atmosphere (EA)	No
Materials and Ressources (MR)	Yes
Indoor Environmental Quality (EQ)	Yes
Innovation (IN)	No
Regional Priority (RP)	No

Source: LEED v4 - New Construction

# Detailed Verification

Self declared according to LEED Building Design and Construction V4 (2015)

## Materials and Resources

### MR Credit Life-Cycle Impact Reduction - Option 4: Whole-Building Life-Cycle Assessment

The product has an Environmental Product Declaration (EPD), which can be used to calculate the building life cycle assessment under LEED MR Building Life-Cycle Impact Redcuts - Option 4: Whole-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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### MR Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration

Weighted Product Value on Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration:

EGO SMP 818	50 % weighted value
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An environmental product declaration exists for the product:

EGO SMP 818	Yes
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EPD Type:

EGO SMP 818	Industry-wide (generic) EPD (Type III) conform to ISO 14025, 14040, 14044, and EN 15804 or ISO 21930
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■ Indoor Environmental Quality

■ EQ Credit Low-Emitting Materials (except Healthcare and Schools)

The entire product contributes toward satisfying EQ Credit: Low-Emitting Materials:

EGO SMP 818	Yes
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The product contributes toward satisfying EQ Credit 4: Low-Emitting Materials:

EGO SMP 818	Yes
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Interior adhesives and sealants applied on site (including flooring adhesive)

The entire product contributes toward satisfying EQ Credit 4: Low Emitting Materials, Category Adhesives and Sealants:

EGO SMP 818	Yes
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The product contributes toward satisfying EQ Credit 4: Low Emitting Materials, Category Adhesives and Sealants:

EGO SMP 818	Yes
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The product is an adhesive or sealant:

EGO SMP 818	Yes
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The adhesive or sealant is wet applied on the construction site:

EGO SMP 818	Yes
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The application of the product is inside a building:

EGO SMP 818	Yes
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The application of the product is outside of a building:

EGO SMP 818	Yes
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VOC product type for adhesives & sealants according to LEED v4/WELL v1:

EGO SMP 818	Sealants Architectural
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VOC limit (adhesives & sealants) according to LEED v4/WELL v1 - Limit:

EGO SMP 818	250
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VOC limit (adhesives & sealants) according to LEED v4/WELL v1 - Unit:

EGO SMP 818	g/l
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VOC Limit (adhesives & sealants) according to LEED v4/WELL v1 - Standard:

EGO SMP 818	SCAQMD Rule 1168, July 1, 2005)
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VOC content of product (less water):

EGO SMP 818	0 g/l
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VOC content of product (less water):

EGO SMP 818	0 %
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TVOC after 14 days:

EGO SMP 818	$\leq 0.005 \text{ mg/m}^3$
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Formaldehyde emissions according DIN EN 717-1:

EGO SMP 818	$\leq 0.002 \text{ mg/m}^3$
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Emission testing method according CDPH Standard Method v1.1-2010:

EGO SMP 818	No
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Emission testing method according AgBB Testing and Evaluation Scheme (2010):

EGO SMP 818	No
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Emission testing method according ISO 16000-3: 2010, ISO 16000-6: 2011, ISO 16000-9: 2006, ISO 16000-11:2006 either in conjunction with AgBB, or with French legislation on VOC emission class labeling:

EGO SMP 818	Yes
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Emission testing method according DIBt testing method (2010):

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

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

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82467 Garmisch-Partenkirchen  
DE  
<http://www.ego.de/>



#### ■ Disclaimer

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