

Product Verification

Sustainability

Self declared according to BREEAM International New Construction 2016

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/egosp818>



Product Assessment

Health and wellbeing

Criteria	Product Verification
Hea 02 Indoor air quality (GN22 V2.0 April 2016)	Yes
Hea 02 Indoor air quality - Exemplary Level (GN22 V2.0 April 2016)	Yes

Materials

Criteria	Product Verification
Mat 01 Life cycle impacts	EPD available: Yes

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 contributes toward satisfying Hea 02 Indoor air quality: Yes
- The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level: Yes
- The product has an Environmental Product Declaration (EPD) which can be used to calculate the building life cycle assessment: EPD available: Yes

■ Ecolabels & Product-Assessments

AgBB tested



EMICODE

EMICODE EC1plus



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%
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:

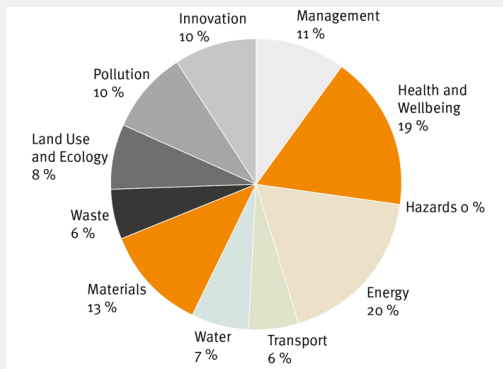
■ System description

The BREEAM (Building Research Establishment Environmental Assessment Method) certification system was published by the Building Research Establishment (BRE). It came on the market in 1990 and was one of the first certification systems for buildings. BREEAM offers different standards, which vary in the requirements, depending on the country, type of use and development phase of the project (new construction, in-use, refurbishment and fit-out, infrastructure and communities). Within ten environmental categories and numerous individual credits, buildings are rated and can be rated as Acceptable (for in-use scheme only), Pass, Good, Very Good, Excellent and Outstanding. Up to now, more than 16,300 BREEAM projects have been certified worldwide (as of April 2018).

Source: www.breeam.com

■ System categories

Category Weighting



Category

Category considered in product verification

Category	Category considered in product verification
Management (Man)	No
Health and wellbeing (Hea)	Yes
Energy (Ene)	No
Transport (Tra)	No
Water (Wat)	No
Materials (Mat)	Yes
Waste (Wst)	No
Land use and ecology (LE)	No
Pollution (Pol)	No
Innovation (Inn)	No

Source: BREEAM International NC 2016 - Non-residential - Fully Fitted (TM 2.0)

Detailed Verification

Self declared according to BREEAM International New Construction 2016

Health and wellbeing

Hea 02 Indoor air quality (GN22 V2.0 April 2016)

The product contributes toward satisfying Hea 02 Indoor air quality:

EGO SMP 818	Yes
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The product contributes toward satisfying Hea 02 Indoor air quality:

EGO SMP 818	Yes
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Interior adhesives and sealants (including flooring adhesives)

The entire product complies with Hea 02 Indoor air quality for interior adhesives and sealants (including flooring adhesives):

EGO SMP 818	Yes
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The product complies with Hea 02 Indoor air quality for interior adhesives and sealants (including flooring adhesives):

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

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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Formaldehyde after 28 days $\leq 0.06 \text{ mg/m}^3$:

EGO SMP 818	Yes
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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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TVOC after 28 days $\leq 1.0 \text{ mg/m}^3$:

EGO SMP 818	Yes
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TVOC after 28 days:

EGO SMP 818	$< 0.005 \text{ mg/m}^3$
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Category 1A and 1B carcinogens after 28 days $\leq 0.001 \text{ mg/m}^3$:

EGO SMP 818	Yes
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Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB:

EGO SMP 818	$< 0.001 \text{ mg/m}^3$
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Certified with eco-INSTITUT-Label:

EGO SMP 818	Yes
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Certified with UL Greenguard Gold:

EGO SMP 818	No
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Certified with UL Greenguard:

EGO SMP 818	No
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GREENGUARD certification confirms that there are no measured carcinogens:

EGO SMP 818	No
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Certified with Indoor Air Comfort:

EGO SMP 818	No
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Certified with Indoor Air Comfort Gold:

EGO SMP 818	No
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Certified with M1 Emission Classification of Building Materials:

EGO SMP 818	No
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Certified EMICODE standard:

EGO SMP 818	EMICODE EC1PLUS
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■ Hea 02 Indoor air quality - Exemplary Level (GN22 V2.0 April 2016)

The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level:

EGO SMP 818	Yes
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The product contributes toward satisfying Hea 02 Indoor air quality - Exemplary Level:

EGO SMP 818	Yes
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Interior adhesives and sealants (including flooring adhesives) - Exemplary Level

The entire product complies with Hea 02 Indoor air quality - Exemplary Level for interior adhesives and sealants (including flooring adhesives):

EGO SMP 818	Yes
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The product complies with Hea 02 Indoor air quality - Exemplary Level for interior adhesives and sealants (including floorng adhesives):

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

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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Formaldehyde after 28 days $\leq 0.01 \text{ mg/m}^3$:

EGO SMP 818	Yes
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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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TVOC after 28 days $\leq 0.3 \text{ mg/m}^3$:

EGO SMP 818	Yes
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TVOC after 28 days:

EGO SMP 818	$< 0.005 \text{ mg/m}^3$
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TSVOC after 28 days $\leq 0,1 \text{ mg/m}^3$:

EGO SMP 818	Yes
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TSVOC after 28 days:

EGO SMP 818	$< 0.005 \text{ mg/m}^3$
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Category 1A and 1B carcinogens after 28 days $\leq 0.001 \text{ mg/m}^3$:

EGO SMP 818	Yes
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Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB:

EGO SMP 818	$< 0.001 \text{ mg/m}^3$
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Certified with Indoor Air Comfort Gold:

EGO SMP 818	No
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Certified EMICODE standard:

EGO SMP 818	EMICODE EC1PLUS
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■ Materials

■ Mat 01 Life cycle impacts

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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■ 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 DGNB 2015 (New construction of office buildings). 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.