Building Material Scout

Product Verification

Sustainability

Self declared according to LEED Building Design and Construction V3 (2009)

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 isocyanite 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

Indoor Environmental Quality

Criteria	Product Verification
IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants	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 entire product contributes toward satisfying IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants: 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/m³
R-Value according to AgBB:	0,00
TVOC after 3 days according ISO 16000-3 / AgBB:	0,17 mg/m³
TVOC after 28 days according ISO 16000-3 / AgBB:	0,005 mg/m³
SVOC after 3 days according ISO 16000-3 / AgBB:	N/A
SVOC after 28 days according ISO 16000-3 / AgBB:	0,005 mg/m³
Carcinogens 1A and 1B after 3 days according ISO-16000 / AgBB:	0,001 mg/m³
Carcinogens 1A and 1B after 28 days according ISO-16000 / AgBB:	0.001 mg/m³

Life Cycle Assessment:

Functional use period	N/A

Circularity:

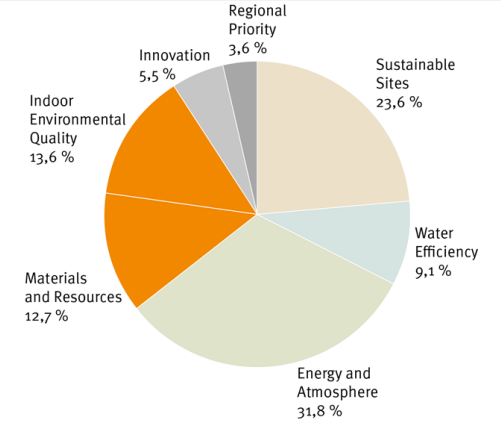
System description

The American LEED (Leadership in Energy and Environmental Design) certification system was published by the USGBC (U.S. Green Building Council) in the late 1990s. The LEED system can be used internationally for all buildings, regardless of whether it is a new building, refurbishment or existing building. In LEED v3 a total of seven environmental categories with different credits are considered, in which up to 110 points can be collected. The LEED levels of certification which can be achieved are Certified, Silver, Gold and Platinum. Up to now, more than 92,000 LEED projects have been registered in 167 countries, of which 39,000 have already achieved a certificate (as of October 2017).

Source: www.usgbc.org

System categories

Category Weighting



Category	Category considered in product verification
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 2009 - New Construction

Detailed Verification

Self declared according to LEED Building Design and Construction V3 (2009)

Indoor Environmental Quality

IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants

The entire product contributes toward satisfying IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants:

EGO SMP 818	Yes

The product contributes toward satisfying IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants:

EGO SMP 818	Yes

The product is an adhesive or sealant:

EGO SMP 818	Yes

The adhesive or sealant is wet applied on the construction site:

EGO SMP 818	Yes

The application of the product is inside a building:

EGO SMP 818	Yes

The application of the product is outside of a building:

EGO SMP 818	Yes

VOC product type for adhesives & sealants according to LEED v3:

EGO SMP 818	SEALANTS Architectural

VOC limit (adhesives & sealants) according to LEED v3 - Limit:

EGO SMP 818	250

VOC limit (adhesives & sealants) according to LEED v3 - Unit:

EGO SMP 818	g/l

VOC Limit (adhesives & sealants) according to LEED v3 - Standard:

EGO SMP 818	SCAQMD Rule 1168 (effective date of July 1, 2005 and rule amendment date of January 7, 2005)

VOC content of product (less water):

EGO SMP 818	0 g/l

VOC content of product (less water):

EGO SMP 818	0 %

Other remarks on classification of LEED v3 Low Emitting Materials:

EGO SMP 818	No Information

Contact Details Manufacturer

EGO Dichtstoffwerke GmbH & Co. Betriebs KG

Kaltenbrunn 27
82467 Garmisch-Partenkirchen
DE
http://www.ego.de/

Disclaimer

This verification is the evaluation and ranking of products in terms of the certification system LEED 2009 (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.