

## EGOSILICON 151 SANITARY



In addition to the tests and certificates shown above, the product also complies with the building certification systems listed on the following pages and it therefore meets a wide range of requirements for sustainable building products.



### ENVIRONMENTAL PRODUCT DECLARATION [EPD]

<b>SHORT NAME EPD</b>	SI 2
<b>TITLE</b>	Silicone-based products, VOC free, group 2
<b>BASE MATERIAL [MANDATORY]</b>	VOC: ≤ 2



### DGNB - DEUTSCHE GESELLSCHAFT FÜR NACHHALTIGES BAUEN (GERMAN SUSTAINABLE BUILDING COUNCIL) VERSION 2015 AND 2018

#### CRITERIA

ENV 1.1 Life cycle assessment (updated 26.01.2017 and 16.07.2018)

#### RESULT

The product has an Environmental Product Declaration (EPD) which can be used to calculate the building life cycle assessment: EPD available: Yes

#### CRITERIA

ENV 1.2 Local environmental impact (updated on: 08.06.2017)

#### PRODUCT TYPE

Adhesives and sealants (acrylate, silicone, SMP) - interior and technical building equipments (DGNB ENV 1.2 Row 12) and Adhesives and sealants (PU, PU hybrid, MS polymer, SMP or the like) - on the façade, windows and external doors (DGNB ENV 1.2 Row 13)

#### RESULT

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

**Quality level 4 of 4 because:**

**Chlorinated paraffins < 0.1 %, solvents < 1 % and PAH plasticisers < 0.1 %, halogenated blowing agents < 0.1 %, VOC < 1 % or EMICODE® EC 1<sup>PLUS</sup>.**



### BNB - BEWERTUNGSSYSTEM NACHHALTIGES BAUEN (RATING SYSTEM SUSTAINABLE BUILDING) VERSION 2015

#### CRITERIA

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)

#### RESULT

The product has an Environmental Product Declaration (EPD) which can be used to calculate the building life cycle assessment: EPD available: Yes

#### CRITERIA

1.1.6 Local environmental impact (Updated on: 28.09.2017)

#### OVERVIEW TABLE

6. Adhesives and sealants - line no. 8

#### CONSTRUCTION PRODUCT TYPE

Adhesives and sealants made of PU, SMP (silane modified polymers), acrylate (including dispersion adhesives) or silicone for punctiform and linear bonding and sealing in the interior, including TGA.

#### OVERVIEW TABLE

6. Adhesives and sealants - line no. 9

#### CONSTRUCTION PRODUCT TYPE

Adhesives and sealants for the airtightness of facades inside and outside: e. g. PU, PU hybrid, MS polymer, SMP, etc. for punctiform and linear bonding of components for the airtightness of facades, windows and external doors.

#### RESULT

**Achieved quality level in BNB Criteria 1.1.6 Local environmental impact for the entire product:**

**Quality level 3 because:**

**Declaration of Biocidal Agents, SVHC < 0.1 % and chlorinated paraffins < 0.1 %.**

### MATERIAL REQUIREMENT ACCORDING TO QNG / QUALITY SEAL SUSTAINABLE BUILDING SEALS AND GASKETS

#### BUILDING PRODUCT TYPE

Adhesives and sealants in interior spaces incl. TGA according to BNB\_BN\_11.6, Annex 1, Pos. 8 + QNG-313, Pos. 4.1, 4.2  
Adhesives + sealants for producing airtightness on the facade according to BNB\_BN\_11.6, Annex 1, Pos. 9 + QNG-313, Pos. 4.3

#### REQUIREMENTS

QUALITY LEVEL 1 [low]	Documentation and declaration of contained SVHC > 0,1 % and biocidal agents (if used)
QUALITY LEVEL 2	Declaration of SVHC contained > 0.1 % and chlorinated kerosenes < 0.1 % For PU adhesives additionally applies: TCEP < 0.1 %.
QUALITY LEVEL 3	Declaration of SVHC contained > 0.1 % and chlorinated kerosenes < 0.1 % For PU adhesives additionally applies: TCEP < 0.1 % For QNG additionally: solvent-free, exclusion of TCEP, PBB and PBDE for PU/PU hybrid/MS polymer/SMP adhesives
QUALITY LEVEL 4	Declaration of SVHC contained > 0.1 % and chlorinated kerosenes < 0.1 % and EMICODE® EC 1/EC 1 <sup>PLUS</sup> . For PU adhesives additionally applies: TCEP < 0.1 %
QUALITY LEVEL 5 [high]	Declaration of contained SVHC > 0.1 % and chlorinated kerosenes < 0.1 % and EMICODE® EC 1/EC 1 <sup>PLUS</sup> . For PU adhesives, the following also applies: TCEP < 0.1 % Exclusion of amine- and oxime-crosslinking silicones

#### RESULT

**Meets QNG requirements as SVHC < 0.1% and chlorinated kerosenes, TCEP, PBB and PBDE <1%, EMICODE® EC 1, exclusion of amine- and oxime-crosslinking silicones.**



### LEED BUILDING DESIGN AND CONSTRUCTION V3 [2009]

#### CRITERIA INDOOR ENVIRONMENTAL QUALITY RESULT

Adhesive or sealant

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: Yes



### LEED BUILDING DESIGN AND CONSTRUCTION V4 [2015]

#### CRITERIA MATERIALS & RESOURCES INDOOR ENVIRONMENTAL QUALITY ERGEBNIS

Adhesive or sealant

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

MR Credit BPDO - Environmental Product Declaration - Option 1: Environmental Product Declaration

EQ Credit Low-Emitting Materials [except Healthcare and Schools]

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 Reductions - 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

Weighted Product Value on Credit BPDO - Material Ingredients - Option 2: Material Ingredient Optimization: 100 % weighted value

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



### BREEAM INTERNATIONAL NEW CONSTRUCTION 2016

#### CRITERIA HEALTH & WELLBEING MATERIALS RESULT

Adhesives and sealants in interiors

Hea 02 Indoor air quality - Exemplary Level [GN22 V2.0 April 2016]

Hea 02 Indoor air quality - Exemplary Level [GN22 V2.0 April 2016]

Mat 01 Life cycle impacts

- 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

### DOCUMENTATION FOR BUILDING CERTIFICATIONS

All listed documents are available for download at [www.ego.de](http://www.ego.de)

- Product data sheet
- Safety data sheet
- Sustainability data sheet
- Certificates

The information relates to the time of preparation of this sustainability data sheet and thus corresponds to our knowledge at that time. Changes, e.g. in the certification systems may mean that the following information no longer corresponds to the current status and Changes, e.g. in the certification systems listed, may mean that the following information no longer corresponds to the current status and the current requirements. Please also refer to our technical data sheets.



Garmisch-Partenkirchen, 26.10.2023

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Management