

## EGOSILICON 300 BAUDICHT

is a ready-to-use, high-quality 1-component silicone sealant that vulcanizes into an elastic end product by reacting with atmospheric moisture.

### CHARACTERISTICS

The product is characterized by the following properties:

neutral cross-linking [Oxim] · colored fungicide · weather, aging & UV-resistant

### APPLICATION AREAS

EGOSILICON 300 is suitable for connection and expansion joints on all common substrates in the construction sector. Use EGOSILICON 360 for abrasion-resistant grouting.

**Areas of application:**

Clean room · Facade · Glass sealing · HVAC systems

**Good adhesion to:** [please note primer table]

concrete · Glass · glazed wood · masonry · metal · plaster · stress-free plastic

**Not or only conditionally suitable on:** [own tests assumed and recommended]

Black coatings · EPDM · Natural stone · Non-ferrous metals · PE · PP · Substrates containing bitumen, wax or kerosene

### APPLICATION NOTES

- ① Adhesion surfaces must be dry, load-bearing and free from dust and substances liable to impair adhesion.
  - ② Cleaning with EGO REINIGUNGSSPRAY.
  - ③ In order to obtain optimum adhesion use Primer EGO PRIMER FDF on porous substrates, Primer EGO PRIMER FWS on rigid PVC and Primer EGO PRIMER FML or EGO HAFTREINIGER on suitable metals.
- \* Notes:
- Select cleaner depending on the substrate.
  - Do not prime glass and glass-like surfaces.
  - Own tests or consultation recommended.

### STANDARDS AND TESTS

EGOSILICON 300 corresponds to the:

**Standards according to:**

- DIN 18540
- DIN EN 15651-1 F 25 LM EXT-INT-CC
- DIN EN 15651-2 G 25 LM CC
- DIN 52452-4 A1 compatible with paint

**IVD data sheets:**

- No. 9, 14, 19-1, 22, 24, 25, 27, 28, 29, 31, 35

**The following tests were achieved by EGOSILICON 300:**

**European conformity:**

- CE marking Declaration of Performance LE/DoP No. EG03300314

**Test certificate:**

- for use in clean rooms and ventilation and air conditioning systems in accordance with VDI 6022 „Hygiene requirements for ventilation and air conditioning systems and devices“ and in accordance with VDI 2083 „Clean room technology“

**Testing according to:**

- Guideline „Testing and assessment of streaking and abrasion of glazing sealants“ [1998-09]

### SUSTAINABILITY

**VOC requirements:**

- EMICODE EC1<sup>plus</sup> [EGOSILICON 300 TRANSPARENT]
- AgBB scheme
- French VOC class A+ and KMR regulation
- LEED<sup>®</sup> EQ c4.1

**BMS product verifications:**

- LEED Building Design and Construction V4 (2015)
- BNB BN 2015 (quality level 5/5)
- BREEAM International New Construction 2016
- DGNB New Buildings 2018 (quality level 4/4)

**Seal of quality:**

- IVD-Industrieverband Dichtstoffe e.V. - tested by ift-Institut für Fenstertechnik e.V. Rosenheim

**Listed in the DGNB Navigator:**

- EGOSILICON 300 is listed in the DGNB Navigator
- EGOSILICON 300 has been awarded the DGNB Navigator Label with the registration code: A6ZE87

### SUSTAINABILITY

#### Environmental Product Declaration (EPD):

- Sample EPD (Silicone-based products, group 2) for EGOSILICON 300 TRANSPARENT
- Sample EPD (Silicone-based products, group 1) for EGOSILICON 300 COLORED

#### QNG/Quality Seal Sustainable Building [EGOSILICON 300 TRANSPARENT]:

- Adhesives and sealants for creating the airtightness of the facade in accordance with BNB\_BN\_1.1.6, Annex 1, Item 9 + QNG-313, Item 4.3



\*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)

### TECHNICAL DATA

Specifications	Results	In accordance with
Cross-linking system	neutral (Oxime)	
Density	approx. 1.0 or 1.4 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Application temperature	from +5 °C to +40 °C	
Temperature resistance	-60 °C to +150 °C	
Shore A hardness	approx. 25	DIN EN ISO 868
Spray-out behavior	approx. 320g/min (6mm; 3bar)	DIN EN ISO 8394-1
Modulus / tensile stress 100%	approx. 0.4 N/mm <sup>2</sup>	DIN EN ISO 8339
Volume shrinkage	< 10%	DIN EN ISO 10563
Resilience	approx. 100 %	DIN EN ISO 7389
Allowable total deformation	25 %	
Viscosity	stable	DIN EN ISO 7390
Skin formation time	approx. 15-30 minutes (23 °C/50% RH)	
Vulcanization	approx. 2-3 mm/24 hours	
Ignition temperature	approx. 450 °C	DIN 51794
Building material class	B2, normal flammability Euroclass E	DIN 4102 DIN EN 13501

### AVAILABILITY AND STORAGE

Colors	over 36 colors [see color chart]
Packaging	<ul style="list-style-type: none"> <li>▪ 310 ml cartridges [20 pieces/carton, 60 cartons/pallet]</li> <li>▪ 300 ml foil bags [20 pieces/carton, 60 cartons/pallet]</li> <li>▪ 400 ml foil bags [20 pieces/carton, 60 cartons/pallet]</li> <li>▪ Special containers on request</li> </ul>
Storage	Can be stored cool and dry in original packaging: <ul style="list-style-type: none"> <li>▪ 18 months [cartridges]</li> <li>▪ 24 months [foil bags]</li> </ul> The production or best-before date can be found on the container label.

### SAFETY INSTRUCTIONS

Complies with	Regulation (EC) No 1907/2006 (REACH)
Not hazardous according to	Regulation (EC) No 1272/2008 (CLP)
Not subject to labeling according to	Regulation (EC) No 1272/2008 (CLP)
Safety instructions	see SDS
Disposal instructions	see SDS

For warnings see EC safety data sheet. The above information is the result of thorough research; previous information is hereby invalidated. Check for yourself whether the product is suitable for your purposes. Our possible liability is limited to the value of our product as such. We cannot accept any liability for indirect damage, in particular for the use or unusability of the product. No one is authorized to make recommendations or assurances on our behalf that go beyond the content of our information sheets.