

EGOSILICON 100 GLASS

is a ready-to-use 1-component silicone sealant for the permanent sealing of glass elements, which vulcanizes into an elastic end product via reaction with air humidity.

CHARACTERISTICS

The product is characterized by the following properties:

acidic cross-linking (acetoxys) · free from fungicidal agents · good adhesion to glass · weather, ageing & UV-resistant

APPLICATION AREAS

EGOSILICON 100 is suitable for general glass sealing.

Areas of application:

Facade · Glass sealing

Good adhesion to: [please note primer table]

Glass · Aluminium · PVC-hard · Acrylic · ABS · Polycarbonat · Tension-free plastics

Not or only partially suitable for: [Own tests assumed and recommended]

alkaline substrates [e.g. concrete] · Non-ferrous metals · EPDM · PP · PE · Black coatings · Teflon · Substrates containing bitumen, wax and kerosene

APPLICATION NOTES

- ① Clean the bonding surfaces with **EGO CLEANER**®.
- ② The bonding surfaces must be clean, dry, stable and free of dust and release agents.
- ③ Pre-treatment according to **EGO PRIMER** recommendations®.
- ④ Process indoors with good ventilation and then continue to ventilate well.
- ⑤ Use **EGO SMOOTHING AGENT** for post-treatment.
- * Notes:
 - Select cleaner depending on the substrate.
 - Do not prime glass and glass-like surfaces.
 - Own tests or consultation recommended.

STANDARDS AND TESTS

EGOSILICON 100 corresponds to the:

Standards according to:

- DIN EN 15651-1 F 25 LM EXT-INT-CC
- DIN EN 15651-2 G 25 LM CC

IVD data sheets:

- Nr. 10, 31, 35

The following tests were achieved by EGOSILICON 100:

European conformity:

- CE marking declaration of performance LE/DoP no. E603100314

SUSTAINABILITY

VOC requirements:

- EMICODE EC1
- AgBB scheme
- french VOC class A+ and KMR regulation
- LEED® EQ c4.1

Quality mark:

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

Environmental Product Declaration (EPD):

- Sample EPD (Silicone-based products, group 2)

QNG/Quality Seal Sustainable Building:

- Adhesives and sealants for creating the airtightness of the facade in accordance with BNB_BN_11.6, Annex 1, Item 9 + QNG-313, Item 4.3
- Adhesives and sealants in interior rooms incl. TGA according to BNB_BN_11.6, Annex 1, Item 8 + QNG-313, Items 4.1, 4.2



*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 | Acidic (Acetoxy) | |
| Density | approx. 1,0 g/cm ³ | DIN EN ISO 1183-1 |
| Application temperature | from +5 °C to +40 °C | |
| Temperature resistance | -60 °C to +180 °C | |
| Shore A hardness | approx. 20 | DIN EN ISO 868 |
| Spray-out behavior | approx. 270g/min (6mm; 3bar) | DIN EN ISO 8394-1 |
| Modulus / tensile stress 100% | approx. 0,4 N/mm ² | 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. 10-20 Minuten (23 °C/50% RH) | |
| Vulcanization | approx. 3 mm/24 Std. | |
| Ignition temperature | approx. 450 °C | DIN 51794 |
| Building material class | B2, normal flammability Euroclass E | DIN 4102 DIN EN 13501 |

AVAILABILITY AND STORAGE

| | |
|-----------|---|
| Colors | transparent, white, aluminum, black [see color chart] |
| Packaging | <ul style="list-style-type: none"> ■ 310 ml cartridges [20 pieces/carton, 60 cartons/pallet] ■ 400 ml foil bags [20 pieces/carton, 60 cartons/pallet] ■ 600 ml foil bags [20 pieces/carton, 60 cartons/pallet] ■ Special packaging on request |
| Storage | <p>Can be stored in its original packaging in a cool, dry place (+15 to +25 °C, relative humidity < 60 °C):</p> <ul style="list-style-type: none"> ■ 18 months [cartridges] ■ 24 months [foil bags] <p>The production or best-before date can be found on the container label.</p> |

SAFETY INFORMATION

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|--------------------------------------|--------------------------------------|
| 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.