

## EGOSILICON 110 AQUARIUM & GLAS

is a ready-to-use 1-component silicone sealant for the permanent sealing of glass elements, which vulcanizes via reaction with air humidity to form an elastic end product [free from fungicidal agents].

### CHARACTERISTICS

**The product is characterized by the following properties:**

acidic cross-linking [acetoxyl] · certificate of compliance · free from fungicidal agents · good adhesion to glass · in accordance with DIN 32662 · weather, ageing & UV-resistant

### APPLICATION AREAS

EGOSILICON 110 is suitable for professional bonding of frameless aquariums, glass constructions and similar applications as well as for sealing connection and expansion joints in food production, storage and processing facilities.

**Areas of application:**

All-glass aquariums · All-glass constructions · Beverage companies · Industrial & commercial kitchens · Canteens · Cold stores · Shop fitting · Food · Dairies · Food processing/storage · Frameless aquariums [DIN 32622] · Abattoirs · Terrariums · Showcases

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

Aluminum · Glass · Stress-free plastics [e.g. rigid PVC, acrylic, polycarbonate, ABS]

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

alkaline substrates [e.g. concrete] · black coatings · EPDM · non-ferrous metals · PE · PP · substrates containing bitumen, wax or kerosene · Teflon

### APPLICATION NOTES

- ① Adhesion surfaces must be dry, load-bearing and free from dust and substances liable to impair adhesion.
- ② Clean with EGO REINIGUNGSSPRAY.\*
- ③ With suitable metals, EGO PRIMER FML or EGO PRIMER CLEANER, with suitable plastics EGO PRIMER CLEANER can significantly improve adhesion [please refer to primer table].\* Do not spread primer over the adhesive flanks, cover with masking tape if necessary.

Notes:

- Select cleaner depending on the substrate
- Do not prime glass and glass-like surfaces
- Own tests or consultation recommended.

### STANDARDS AND TESTS

**EGOSILICON 110 corresponds to the:**

**Standards according to:**

- DIN EN 15651-2 G 25 HM CC
- DIN EN ISO 11600 G 25 HM
- DIN 32622, Abs. 4.4.2.2

**IVD data sheets:**

- No. 35

**The following tests were achieved by EGOSILICON 110:**

**Certificate of compliance:**

- Food

### SUSTAINABILITY

**VOC requirements:**

- 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 for sustainable buildings:**

- 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
- Adhesives and sealants in interiors incl. TGA according to BNB\_BN\_1.1.6, 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)

## EGOSILICON 110 AQUARIUM & GLAS

### TECHNICAL DATA

Specifications	Results	In accordance with
Cross-linking system	Acidic (Acetoxy)	
Density	approx. 1,0 g/cm <sup>3</sup>	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. 140g/min (6mm; 3bar)	DIN EN ISO 8394-1
Modulus / tensile stress 100%	approx. 0,5 N/mm <sup>2</sup>	DIN EN ISO 8339
Elongation at break	approx. 200 %	DIN EN ISO 8339
Volume shrinkage	< 5 %	DIN EN ISO 10563
Tear resistance	approx. 6,3 N/mm	ISO 34-1 Methode C
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 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	transparent, black [see color chart]
Packaging	<ul style="list-style-type: none"> <li>■ 310 ml cartridges [20 pieces/carton, 60 cartons/pallet]</li> <li>■ Special containers on request</li> </ul>
Storage	<p>Can be stored in its original packaging in a cool, dry place (+15 to +25 °C, relative humidity &lt; 60 °C):</p> <ul style="list-style-type: none"> <li>■ 18 months</li> </ul> <p>The production or best-before date can be found on the container label.</p>

### 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.