

EGOSILICON 111 FOOD & DRINKING WATER

is a ready-to-use, high-quality 1-component silicone sealant that vulcanizes into an elastic end product via reaction with atmospheric moisture with minimal separation of acetic acid.

CHARACTERISTICS

The product is characterized by the following properties:

acidic cross-linking [acetoxyl] · compatible with drinking water & foodstuffs · free from fungicidal active ingredients · good adhesion even without primer · Test certificate with declaration of no objection · weather, ageing & UV-resistant

APPLICATION AREAS

EGOSILICON 111 is particularly suitable for sealing connection and expansion joints in food production, storage and processing facilities. Direct food contact with EGOSILICON 111 is harmless.

Areas of application:

All-glass aquariums · Beverage plants · Canteens · Cold stores · Dairies · Food · Food processing/storage · Industrial & commercial kitchens · Shopfitting · Slaughterhouses

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

bitumen, wax and paraffin-containing substrates · black coatings · EPDM · non-ferrous metals · PE · PP · Teflon

APPLICATION NOTES

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

STANDARDS AND TESTS

EGOSILICON 111 corresponds to the:

Standards according to:

- DIN EN 15651-1 F 20 HM EXT-INT-CC
- DIN EN 15651-2 G 20 HM CC

IVD data sheets:

- No. 21, 29, 31, 35

The following tests were achieved by EGOSILICON 111:

Declaration of no objection:

- Food

Test certificate:

- according to drinking water hygiene assessment

European conformity:

- CE marking Declaration of Performance LE/DoP No. EG03130314

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 for sustainable buildings:

- 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 interiors 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)

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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. 25	DIN EN ISO 868
Spray-out behavior	approx. 160g/min (6mm; 3bar)	DIN EN ISO 8394-1
Modulus / tensile stress 100%	approx. 0.6 N/mm ²	DIN EN ISO 8339
Volume shrinkage	< 10 %	DIN EN ISO 10563
Allowable total deformation	20 %	
Viscosity	stable	DIN EN ISO 7390
Skin formation time	approx. 10-20 minutes (23 °C/50% RH)	
Vulcanization	approx. 3 mm/24 hours approx. 8 mm/week	
Ignition temperature	approx. 450 °C	DIN 51794
Building material class	B2, normal flammability Euroclass E	DIN 4102 DIN EN 13501

AVAILABILITY AND STORAGE

Colors	<ul style="list-style-type: none"> ▪ grey [see color chart] ▪ other colors on request
Packaging	<ul style="list-style-type: none"> ▪ 310 ml cartridges [20 pieces/carton, 60 cartons/pallet] ▪ Special containers on request
Storage	<p>Can be stored in original packaging in a cool, dry place:</p> <ul style="list-style-type: none"> ▪ 18 months <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.