

## EGOSILICON 120 HIGH TEMPERATURE

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:

acidic cross-linking [acetoxyl] · high mechanical strength · plasticizer-free · resistant to high temperatures up to 250 °C [briefly up to 300 °C] · weather, ageing & UV-resistant

### APPLICATION AREAS

EGOSILICON 120 is suitable for elastic sealing under high temperature loads.

**Areas of application:**

fireplaces · heat exchangers · heated tiled areas · ovens · special fire-retardant glazing · stoves · tiled stoves

**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 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 and EGO PRIMER FML or EGO HAFTKLEBER on suitable metals [see Primer Chart].\*

\* Notes:

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

### STANDARDS AND TESTS

EGOSILICON 120 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. 31, 35

The following tests were achieved by EGOSILICON 120:

**European conformity:**

- CE marking Declaration of Performance LE/DoP No. EG03120314

### SUSTAINABILITY

**VOC requirements:**

- french VOC class A+ and KMR regulation

**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)



\*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 (Acetoxyl)	
Density	approx. 1.3 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Application temperature	from +5 °C to +40 °C	
Temperature resistance	-60 °C to +250 °C (short term up to +300 °C)	
Shore A hardness	approx. 32	DIN EN ISO 868
Spray-out behavior	approx. 75 g/min (6mm; 3bar)	DIN EN ISO 8394-1
Modulus / tensile stress 100%	approx. 0,7 N/mm <sup>2</sup>	DIN EN ISO 8339

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Volume shrinkage	< 10 %	DIN EN ISO 10563
Rückstellvermögen	ca. 100 %	
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	
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"> <li>red-brown, black [see color chart]</li> </ul>
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 cool and dry in its original packaging:</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.