

EGOSILICON 360 CONSTRUCTION PRO

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

CHARACTERISTICS

The product is characterized by the following properties:

color fungicide · compatible with paint · complies with DIN 18540 · complies with DIN 52452-4, A1 · free of 2-butanone oxime (MEKO) and methyl isobutyl ketoxime (MIBKO) · improved odor · neutral cross-linking (oxime) · weather, ageing & UV-resistant

APPLICATION AREAS

EGOSILICON 360 is suitable for connection and expansion joints, especially for glass sealing for robust indoor and outdoor use.

Areas of application:

building construction · clean room · glass sealing · HVAC systems · window construction

Good adhesion to: [please refer to primer table]

concrete · glass · masonry · metal · wood

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

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

APPLICATION NOTES

① The bonding surfaces must be clean, dry, stable and free of dust and release agents.

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 on metal, acrylics and polycarbonate (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 360 complies with:

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, 10, 13, 14, 19-1, 22, 24, 25, 27, 28, 29, 31, 35

The following tests were achieved by EGOSILICON 360:

European conformity:

- CE marking Declaration of Performance LE/DoP no.E603360314

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 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^{plus} [EGOSILICON 360 TRANSPARENT]
- AgBB scheme
- french VOC-Klasse A+ and KMR regulation
- LEED® EQ c4.1

BMS product verifications:

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

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) für EGOSILICON 360 TRANSPARENT
- Sample EPD (Silicone-based products, group 1) für EGOSILICON 360 COLORED

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SUSTAINABILITY



*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 (Oxim)	
Density	approx. 1.0 bzw. 1.2 g/cm ³	DIN EN ISO 1183-1
Application temperature	+5 °C to +40 °C	
Temperature resistance	-60 °C to +150 °C	
Shore A hardness	approx. 20	DIN EN ISO 868
Spray-out behavior	approx. 310 g/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. 15-30 minutes (23 °C/50% RH)	
Vulcanization	approx. 2 mm/24 hours	
Ignition temperature	approx. 450 °C	DIN 51794
Building material class	B2, normally flammable Euroclass E	DIN 4102 DIN EN 13501

AVAILABILITY AND STORAGE

Colors	over 30 colors [see color chart]
Packaging	<ul style="list-style-type: none"> ■ 310 ml cartridges [20 pieces/carton, 60 cartons/pallet] ■ 600 ml foil bags [20 pieces/carton, 30 cartons/pallet] ■ Special containers on request
Storage	<p>Can be stored cool and dry in original packaging:</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 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.