

EGOSILICON 333 GLASS FACADE

is a high quality, ready-for-use, one-component silicone sealant which cures with atmospheric moisture at room temperature to form an elastic seal. It is 2-butanone oxime-free (MEKO-free) as well as methyl isobutyl ketoximefree [MIBKO-free].

CHARACTERISTICS

The product is characterized by the following properties:

abrasion-resistant · excellent workability · extremely strong adhesion · fast cure · fungicide-adjusted · high mechanical strength
neutral cross-linking [Oxim] · non-sag · tack-free within minutes · tested acc. to ift Directives DI-01/1 and DI-2/1 · weather, ageing & UV-resistant

APPLICATION AREAS

EGOSILICON 333 is suitable for modern glass architecture, weather-resistant sealing on silicone-bonded exterior facades [double-sided structural glazing].

Areas of application:

conservatories · electrical engineering · glass facades · roof glazing

Good adhesion to: [please refer to primer table]

concrete · glass · insulating glass · steel · VSG

APPLICATION NOTES

- ① Clean the bonding surfaces with EGO REINIGUNGSSPRAY.*
 - 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 333 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. 22, 24, 27, 28, 29, 31, 35

The following tests were achieved by EGOSILICON 333:

European conformity:

- CE marking Declaration of Performance LE/DoP No. EG03100314

Test reports from the Institut für Fenstertechnik e.V., Rosenheim on:

- the usability of the sealant in contact with the insulating glass edge seal in accordance with guideline DI-01/1
- Materials in contact with the edge of laminated and laminated safety glass in accordance with guideline DI-02/1

SUSTAINABILITY

VOC-Anforderungen:

- EMICODE EC1^{PLUS}
- AgBB scheme
- french VOC class 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)
- BREEAM International New Construction 2016
- DGNB New Buildings 2018 (quality level 4/4)

Listing in baubook:

- EGOSILICON 333 is listed in baubook

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_1.1.6, Annex 1, Item 9 + QNG-313, Item 4.3

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 g/cm ³	DIN EN ISO 1183-1
Application temperature	von +5 °C bis +40 °C	
Temperature resistance	-60 °C bis +150 °C	
Shore A hardness	approx. 33	DIN EN ISO 868
Spray-out behavior	approx. 240g/min (6mm; 3 bar)	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
Resilience	approx. 100 %	DIN EN ISO 7389
Allowable total deformation	20 %	
Viscosity	stable	DIN EN ISO 7390
Skin formation time	approx. 5-6 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	transparent, black [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	Can be stored cool and dry in original packaging: <ul style="list-style-type: none"> ▪ 18 months [cartridges] ▪ 24 months [foil bags] The production or best-before date can be found on the container label.

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.