

EGOSILICONE 351 NATURAL STONE

is a ready-to-use, high-adhesion 1-component silicone sealant for durable, high-quality sealing in natural stone and sanitary areas, which vulcanizes via reaction with air humidity to form an elastic, abrasion-resistant end product and is available in glossy and matt colors.

CHARACTERISTICS

The product is characterized by the following properties:

neutral cross-linking [Oxim] · optimum skin formation time · compatible with natural stone · no edge zone soiling · non-migrating [colored] fungicide · glossy abrasion-resistant · glossy & matt colors available · waterproof

APPLICATION AREAS

EGOSILICONE 351 is suitable for sealing connection and expansion joints in natural and artificial stone, in sanitary areas and for clean rooms and air conditioning systems in floor, wall and ceiling areas.

Areas of application:

Sanitary · Clean room · HVAC systems

Good adhesion to: [please refer to primer table]

Natural stone · artificial stone · granite · terrazzo · tiles · enamel · glass

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 Use EGO PRIMER FDF to improve adhesion on porous substrates [please refer to the primer table]®
 - ④ Use undiluted EGO STEINGLÄTTMITTEL for aftercare.
 - ⑤ Discoloration of EGOSILICONE 351 transparent/white possible.
- * Notes:
- Select cleaner depending on the substrate.
 - Do not prime glass and glass-like surfaces.
 - Own tests or consultation recommended.

STANDARDS AND TESTS

EGOSILICONE 351 corresponds to the:

Standards according to:

- DIN EN 15651-1 F 20 HM EXT-INT
- DIN EN 15651-3 XS1
- DIN ISO 16938-1

IVD data sheets:

- No. 3-1, 3-2, 14, 23, 25, 29, 35

The following tests were achieved by EGOSILICONE 351:

European conformity:

- CE marking Declaration of Performance LE/DoP No. EG03380314

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

SUSTAINABILITY

VOC requirements:

- EMICODE EC1
- 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:

- EGOSILICONE 351 is listed in baubook

Listing in the DGNB Navigator:

- EGOSILICONE 351 is listed in the DGNB Navigator
- EGOSILICONE 351 is certified with the DGNB Navigator Label with the registration code: 508S6Q

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

EGOSILICONE 351 NATURAL STONE

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 (0xim)	
Density	approx. 1,0 g/cm ³ approx. 1,4 g/cm ³ *	DIN EN ISO 1183-1
Application temperature	+5 °C to +40 °C	
Temperature resistance	-40 °C to +120 °C	
Shore A hardness	approx. 24 approx. 31*	DIN EN ISO 868
Modulus / tensile stress 100%	approx. 0,5 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. 15 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

*matt colors

AVAILABILITY AND STORAGE

Colors	over 36 colors [see color chart]
Packaging	<ul style="list-style-type: none"> ■ 310 ml cartridges [20 pieces/carton, 60 cartons/pallet] ■ 400 ml foil bags [20 pieces/carton, 60 cartons/pallet] ■ 600 ml foil bags [20 pieces/carton, 60 cartons/pallet] ■ Special containers on request
Storage colored	<p>Can be stored cool and dry in original packaging (+15 to +25 °C, relative humidity < 60 °C):</p> <ul style="list-style-type: none"> ■ 12 months [cartridges] ■ 24 months [tubular films] <p>The production or best-before date can be found on the container label.</p>
Storage transparent	<p>Can be stored cool and dry in original packaging (+15 to +25 °C, relative humidity < 60 °C):</p> <ul style="list-style-type: none"> ■ 9 months [cartridges] ■ 18 months [tubular films] <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.