

EGOSILICON 400 BAU

is a high-quality, ready-to-use 1-component silicone sealant that cures by reacting with moisture into an elastic and durable end product. The product is ideal for sealing connection and expansion joints in construction and glass applications.

CHARACTERISTICS

The product is characterized by the following properties:

abrasion-resistant · paint-compatible · odorless · neutral cross-linking (alkoxy) · VSG-compatible · weather, ageing & UV-resistant
meets all baubook criteria

APPLICATION AREAS

EGOSILICON 400 offers a robust and reliable application both indoors and outdoors and shows excellent adhesion to a wide range of materials. It is the perfect choice for construction projects where odor nuisance must be avoided.

Areas of application:

Vehicle construction · Facade · Glass sealing · Heating · Building construction · Air conditioning · Ventilation construction · Masonry
HVAC systems · Shipbuilding · Mirrors

Good adhesion to: [please refer to primer table]

Concrete · Tiles · Glass · Wood · Ceramics · Metals [e.g. aluminum, steel, zinc, copper] · Stress-free plastics

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

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

APPLICATION NOTES

- ❶ The bonding surfaces must be clean, dry, stable and free of dust and release agents. In particular, compatibility tests with the coating system of the substrate are recommended.
- ❷ Clean the adhesive surfaces with EGO REINIGUNGSSPRAY.®
- ❸ 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 HAFTKLEBER on metals, acrylics and polycarbonate [see Primer Chart].®
- * Notes:
 - Select cleaner depending on the substrate.
 - Do not prime glass and glass-like surfaces.
 - Compatible with EGO Butyl Sealing Tapes.
 - Own tests or consultation recommended.

STANDARDS AND TESTS

EGOSILICON 400 complies with the:

Standards according to:

- DIN EN ISO 11600 F 25 LM
- DIN EN 15651-1 Facade
- DIN EN 15651-2 Glass
- DIN EN 15651-4 Floor

IVD data sheets:

- No. 2, 9, 10, 13, 14, 19-1, 22, 24, 25, 27, 28, 29, 31, 35

The following tests were achieved by EGOSILICON 400:

European conformity:

- CE marking Declaration of Performance LE/DoP No. EG03400314

Requirement of the directive:

- Test for streaking of glazing sealants based on ift guideline VE-04/2

Test certificate:

- for use in air conditioning systems according to VDI 6022 „Hygienic requirements for air conditioning systems and equipment“

SUSTAINABILITY

VOC requirements:

- AgBB scheme
- French VOC class A+ and KMR regulation
- LEED® EQ c4.1

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)

Environmental Produkt Declaration (EPD):

- Sample-EPD (Silicone-based products, group 1)

SUSTAINABILITY

Listing in baubook:

- EGOSILICON 400 ist in baubook gelistet



*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)

TECHINCAL DATA

Product properties	Result	in accordance with
Cross-linking system	neutral (Alkoxy)	
Density	approx. 1,0 g/cm ³	DIN EN ISO 1183-1
Application temperature	+5 °C to +40 °C	
Temperature resistance	-30 °C to +120 °C	
Shore A hardness	approx. 24	DIN EN ISO 868
Spray-out behavior	approx. 200 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. 70 %	DIN EN ISO 7389
Allowable total deformation	25%	
Viscosity	stable	DIN EN ISO 7390
Skin formation time	approx. 30 Minuten (23 °C/50% RH)	
Vulcanization	approx. 2 mm/24 Std.	
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, traffic white, light gray, manhattan, signal grey, stone grey, anthracite grey, black, oak, brown
Packaging	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, 30 cartons/pallet] - Special containers on request
Storage	Can be stored cool and dry in original packaging: 9 months [cartridges] 12 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.