

Q Silicone glazing sealant transparent

greenteQ glazing sealant transparent is an alcoxy-based, neutral-curing silicone sealant. It is resistant to ageing processes and the effects of weather and has a large temperature range (-50°C to +180°C).

Product description:

greenteQ glazing sealant transparent is specially suited to window sealing, connection joints and other expansion joints. It provides good, long-lasting adhesion, without the need for a primer, to most materials used in construction and industry such as glass, aluminium, glazed tiles, polyester, brass, steel, treated wood, PVC and LSG (laminated safety glass). greenteQ glazing sealant is suitable for the installation of laminated glass

and can be applied to alkaline substrates such as concrete or brick. The use of a primer is recommended with substrates of this kind.

Not suitable for structural glazing or self-cleaning glass. For sealing between frames, VSG foil and insulating glass, it must be ensured that the sealant and VSG foil or compound do not come into direct contact.

Product image and VBH item numbers:



Colour	Contents 310 ml	Contents 400 ml	Contents 600 ml
Transparent	217 275 0828	217 275 2129	217 275 0829

Technical data:

Unvulcanised sealant Type of sealant	Polysiloxane
Vulcanisation system	Crosslinking through exposure to humidity
Skin forming time (23°C and 50% relative humidity)	Approx. 20 min
Vulcanisation rate (23°C and 50% relative humidity)	1–2 mm / 24 hours
Density (ISO 1183)	Approx. 1.03 g/ml
Vulcanised sealant Shore A hardness (ISO 868)	Approx. 23 ± 5 Shore A
Elastic recovery capacity (ISO 7389)	> 90%
Maximum deformation permitted	± 25%
Tensile modulus at 100% elongation (ISO 37)	0.3 N/mm ²
Elongation at break (ISO 37)	>700%
Temperature resistance	-50°C to 180°C
Fire behaviour (DIN 4102-1)	B2

Overview of joint dimensions:

Joint width	Joint depth	Permissible difference
3–4 mm	4–5 mm	± 1 mm
6 mm	6 mm	± 1 mm
8 mm	6 mm	± 1 mm
10 mm	6–8 mm	± 2 mm
15 mm	10 mm	± 2 mm
20 mm	10–12 mm	± 2 mm
25 mm	15 mm	± 3 mm

Calculating the consumption quantity of the sealants:

Joint 20 mm × 10 mm = 200 ml/m + 10%* = 220 ml/m
*Excess material, required for smoothing in the joint

Cartridge	Consumption quantity	Yield
310 ml	220 ml/m	1.41 m
400 ml	220 ml/m	1.82 m
600 ml	220 ml/m	2.73 m

PRODUCT DATA SHEET

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Preparation:

The surfaces must be firm, clean and dust- and grease-free and be free of loose parts. Remove grease with methanol or ethanol if necessary. Use a primer on porous substrates. Please check the adhesive strength. Users must perform sufficient tests of their own to determine whether the material is suitable for the application in question.

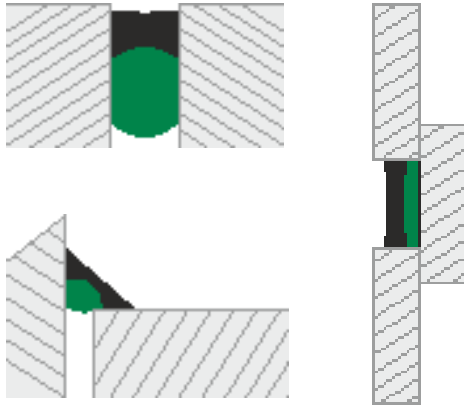
Processing:

We recommend taping the joint edges with suitable adhesive tape. The greenteQ glazing sealant must be introduced into the joint without bubbles and fill the joint completely. Smooth the sealant with the greenteQ Smoothing Aid (217.275/0849). The sealant must be smoothed before the skin begins to form. Then remove the adhesive tape immediately. Carefully remove any excess smoothing aid from the frame and glass with water.

Application:

With a compressed-air gun. The shape of the seal is very important; avoid thin layers.

Partial tension may occur if adhesive is used on three or more sides, which may cause the silicone joints to tear. Incorrect processing may lead to complaints.



Key:  Silicone  Joint insulating tape

The adhesion of more than two sides can be performed with the aid of joint insulating tape.

Limitations:

- Do not expose to any thermal, mechanical or chemical loads before curing is complete.
- Do not use greenteQ glazing sealant in enclosed areas because air humidity is required for the curing process. Good ventilation is important during processing and vulcanisation.
- If applied to natural stone, ingredients may cause staining around the edges of the joint. Please test beforehand.
- greenteQ glazing sealant is not suitable for bonding mirrors, polyacrylate, polycarbonate, structural glazing or self-cleaning glass.
- greenteQ glazing sealant cannot be painted.

Processing temperature:

+5°C to +40°C

Repair options:

The same material is recommended for this purpose.

Cleaning:

Fresh greenteQ sealant that has not yet bonded can be removed using citrus cleaner. Clean tools with spirit or a similar solvent. Vulcanised material can be removed by mechanical means only.

Storage:

The sealant can be used for up to 12 months if stored in the original, unopened packaging in a cool, dry and frost-free environment.

12 cartridges of 310 ml / box – 120 boxes / pallet

12 foil bags of 600 ml / box – 66 boxes / pallet

Safety instructions:

Please consult the Safety Data Sheet.

General information:

All previous versions of this data sheet are no longer valid.

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The instructions for use, service and product details as well as other technical information for our greenteQ products are general guidelines. These serve only to describe the properties and performance features of our products and do not constitute a guarantee as per Section 443 of the BGB (German Civil Code). Due to the variety of possible applications, it is incumbent upon the user to test whether or not it is suitable for the desired application. Technical application advice provided by us verbally, in writing or through tests is for your information only and is absolutely non-binding.