

Glass clear one-component silicone sealant, acetate-curing

Application areas

- preferably used **for connections that remain glass clear**
- for sealing glass, glass constructions such as display cases, mosaic bonding, terrariums, skylight domes or shop windows, porcelain and some other substrates
- for small areas bonding in the art glass construction industry
- for sealing and caulking joints as well as for transitions on glass, glazed ceramics (tiles), porcelain, enamel, stainless steel, aluminium and many treated substrates
- for profile glass sealing and glass blocks (glass-glass connections or for the sealing of glass partitions)
- ideal for glass construction

Product benefits

- exceptional appearance and aesthetics thanks to the translucency of the material;
the clarity of the glass allows «virtually invisible joints» in thin layers
- non-yellowing (resistant to light and no yellowing in darkness)
- elastic
- contains no fungicidal additives
- good UV, weather and ageing resistance
- free of shrinkage and bubbles
- for indoor and outdoor use

Base

Silicone-sealant acetate-based; after extrusion, the product vulcanises under the influence of humidity, forming a silicone rubber that remains elastic, therefore allow silicone to evaporate unhindered.

Restrictions

Not suitable for alkaline substrates like concrete, eternit, plastering, natural stone, as well as metals prone to corrosion like copper and zinc surfaces, rusting sheets etc. Please use suitable neutral cross-linking types like e.g. Wikosil-NB, -NBS, -color etc. Furthermore not suitable for direct contact with food, LSG (laminated safety glass) films, aquarium construction, PTFE (Teflon[®]), PE, PP, penetrating substrates like neoprene or bituminous and waxy substrates. Our range of products offers you a choice.

Processing

The bonding surfaces must be sound, dry and free of dust and grease.

Clean non-absorbent surfaces with Wisatyp TL 16.

Check treated and non-absorbent surfaces with an adhesion test. In most cases, adhesion can be significantly improved with the following primers: Wi-Primer V-03 and Wi-Primer V-23.

Follow the rules for joint dimensioning.

Minimum joint width: 3 mm, minimum joint depth: 3 mm

maximum joint width: 25 mm, maximum joint depth: 12 mm

As the layer thickness increases, the appearance shifts from crystal clear to transparent. Therefore do not use for layer thicknesses of more than 12 mm.

We recommend masking the edges of the joint with masking tape to ensure a clean and straight joint.

The sealant must be sprayed in such a way that sufficient pressure is exerted on the joint flanks. In particular, make sure that no air bubbles are trapped in the joint sealing compound.

Smooth the pressed-in sealant with a suitable joint spatula before skin formation. Wikosil-VA 5471 glass clear is sensitive to the effects of many smoothing agents, soaps and surfactants during the curing process. These can easily cause milky clouding in the sealant. So if possible, do not use a smoothing agent or at least dilute it very strongly.

We accept no liability for damage caused by the use of commercially available detergents.

The masking tape must be removed immediately after application.

Density	ca. 1.0 g/cm ³
Consistency	pasty, firm
Skin formation	after ca. 10 min under normal conditions (+25 °C, 70 % rel. humidity)
Volume shrinkage	ca. 5 by volume-%
Max. total deformation	ca. 20 % for standardised joints
Setting time	ca. 2 mm on the first day, then decreasing in depth
Recoatibility	Do not paint over!
Shore A hardness	ca. 20
Temperature resistance	from -40 °C up to +150 °C (after complete cross-linking)
E-modulus 100 %	ca. 0.4 N/mm ² (acc. to DIN 53504)
Tensile strength	ca. 1.6 MPa (acc. to DIN 53504)
Breaking elongation	ca. 400 %
Repairing	can be repaired with the same material
Substrates	Glass, treated aluminium, stainless steel, enamel, glazed ceramic (tiles), porcelain, acrylic (sanitary) and many other non-absorbent substrates. For further surfaces, you will need to carry out your own tests.
Cleaning agents	Wisatyp TL 16 for cleaning non-absorbent adhesive surfaces and fresh product residues. The cured product can normally only be removed mechanically. To wash your hands, please use water and soap.
Processing temperature	from +5 °C up to +40 °C

Frost resistance up to -15 °C (during transport)

Further information



More information about this product (current technical data sheet, safety data sheet, certificates, product variants, etc.) can be found via the adjacent QR code.

Item no. + Colour **VA 5471 glass clear** - cartridge of 310 ml

Delivery form Packing unit of 12 cartridges of 310 ml

Shelf life In closed original packaging, protected from direct sunlight and stored in a dry place between +15 °C and +25 °C, the official shelf life is 12 months from date of production (the printed expiry date is decisive).

Safety and disposal: Familiarise yourself with the valid Safety Data Sheets (SDS) for the products used. All applicable safety regulations and disposal instructions must be observed.

Observe: All information is based on careful examinations in the labs and our previous practical experience. They are non-committal notes. Due to the many materials that are marketed and the different processing methods, which we cannot influence, we can, of course, not assume any warranty, including under patent-law, for the result of your work. We recommend performing sufficient own tests to find out if the product meets the respective requirements. In addition, we refer to our terms and conditions of sale, delivery and payment, available at www.wisabax.ch/agb.html. © Wisabax AG - This technical data sheet replaces all older versions.

Have you noticed an unclear formulation or an error? Thank you for your feedback. In case of doubt, the German version of the technical data sheet applies.