Technical Data Sheet

Wikosil®-VA-A

Acetate silicone for bonding and sealing with high demands in industry and glass production, for aquariums and in the food industry

Application areas

Ready to use «vinegar cure» 1C silicone sealant

- for elastic bonding and sealing of glass, glass constructions such as aquariums, terrariums or shop windows
- for profile glass sealing and glass blocks (glass-glass connections or for the sealing of glass partitions)
- for sealing work in the food sector; there is available an independent test report on food compatibility after cross-linking
- for the glazing of aluminium windows
- for sealing and caulking joints as well as for transitions on glass, glazed ceramics (tiles), porcelain, enamel, stainless steel, aluminium and treated substrates
- ideal for glass construction (profile glass sealing), aquariums, aluminium window construction, apparatus construction, industry

Product benefits

- good adhesion to glass, treated aluminium, stainless steel, enamel, glazed ceramic (tiles), porcelain, acrylic (sanitary) etc.
- non-yellowing (resistant to light and no yellowing in darkness)
- permanently elastic
- contains no fungicide or biocide additives
- very good UV, weather and ageing resistance; especially under difficult conditions such as temperature fluctuations, UV radiation, fresh and sea waterresistant to extreme climatic conditions (e.g. cooling systems)
- fulfils DIN 32622; «Glass aquariums - safety requirements and tests»
- good chemical resistance, in particular against cleaning agents
- compatible with PVB sheets laminated safety glass
- free of shrinkage and bubbles
- for indoor and outdoor use

Restrictions

Not suitable for alkaline substrates like concrete, eternit, plastering, stone, as well as metals prone to corrosion like non-ferrous metals, copper and zinc surfaces, rusting metal sheets etc. Please use suitable neutral cross-linking types like e.g. Wikosil-NB, -NBS, -color etc.
Furthermore not suitable for PTFE (Teflon®), PE, PP, penetrating substrates like neoprene or bituminous and waxy substrates.
In aquarium construction, it is essential to observe the relevant guidelines!

Base

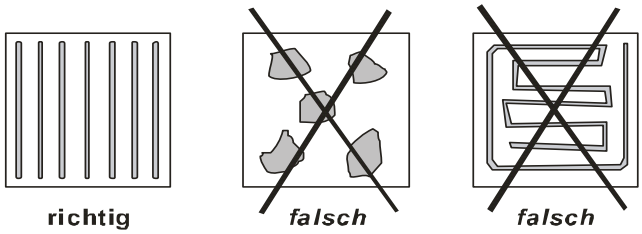
Silicone-sealant acetate-based of the highest quality level; after extrusion, the product vulcanises under the influence of humidity, forming a silicone rubber that remains elastic, therefore allow silicone to evaporate unhindered.

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.

Follow the rules for joint dimensioning.
Minimum joint width: 3 mm, minimum joint depth: 3 mm
Maximum joint width: 30 mm, maximum joint depth: 10 mm
For joints over 10 mm the joint depth should not be more than half the joint width.

Wikosil-VA-A as adhesive



Vertical bead application is recommended to ensure adequate air humidity during curing. Interrupt longer beads occasionally.

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. For smoothing joints, our smoothing compound Wikofix GM 52 has proved its worth in practice.

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. 1.03 g/cm³
Consistency	pasty, firm
Skin formation	after ca. 10 min under normal conditions (+23 °C, 55 % rel. humidity)
Subsidence	Mounted in a U-profile of L x W x H = 150 x 21 x 15 mm no tendency to sink.
Volume shrinkage	1 - 2 % by volume
Max. total deformation	25 % for standardised joints
Setting time	ca. 3 mm on the first day, then decreasing in depth
Recoatability	Do not paint over!
Shore A hardness	ca. 22 - 25
Temperature resistance	from -50 °C up to +180 °C (after complete cross-linking)
E-modulus 100 %	ca. 0.4 N/mm² (acc. to DIN 53504)

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Tensile strength	ca. 1.9 MPa (acc. to DIN 53504)
Breaking elongation	ca. 680 % (acc. to DIN 53504)
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 TL16 for cleaning non-absorbent adhesive surfaces and fresh product residues. For PMMA (acrylic glass) and polycarbonate use only Wisaclean R 216. 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-A 5401 transparent** cartridge of 310 ml **VA-A 5406 black** Other colours are available for larger quantities, if ordered in advance.
Delivery form	Packing unit of 12 cartridges of 310 ml Tubular bags upon request.
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 15 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.