Technical Data Sheet

Wikosil®-GS

Silicone sealant for sanitary areas and glass structures; elastic, lightfast, extremely resistant to climate and weather conditions, with fungicidal properties

Application areas

Ready to use «vinegar cure» 1C silicone sealant

- for the glazing of aluminium windows
- for sealing and caulking joints as well as for transitions on glass, glazed ceramics (tiles), porcelain, enamel, acrylic bathtubs, stainless steel, aluminium and many treated substrates
- especially suitable for the sanitary areas like e.g. bathrooms, shower enclosures, washrooms etc.
- for profile glass sealing and glass blocks (glass-glass connections or for the sealing of glass partitions)
- ideal for sanitary areas, glass construction, aluminium window construction, apparatus construction, industry

Product benefits

- non-yellowing (resistant to light and no yellowing in darkness)
- permanently elastic
- top for use in wet rooms (fungicidal formulation)
- resistant to extreme climatic conditions
- very good UV, weather and ageing resistance
- good chemical resistance, in particular against cleaning agents
- good adhesion to glass, treated aluminium, stainless steel, enamel, glazed ceramic (tiles), porcelain, acrylic (sanitary) etc.
- 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, 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.
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: 30 mm, maximum joint depth: 10 mm
For joints over 10 mm the joint depth should not be more than half the joint width.

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. 1.02 g/cm³
Consistency	pasty, firm
Skin formation	after 5 - 10 min under normal conditions (+23 °C, 55 % rel. humidity)
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. 20
Temperature resistance	from -50 °C up to +180 °C (after complete cross-linking)
E-modulus 100 %	ca. 0.4 N/mm²
Breaking elongation	ca. 350 % - 450 %
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)

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Certificates / Norms

- EN 15651-1: F EXT-INT 25 LM
- EN 15651-2: G 25 LM (glazing joints)
- EN 15651-3: XS1 (sanitary joints)

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

GS 3401 transparent - cartridge of 310 ml

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 18 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.