

Neutrally crosslinkable, elastic silicone sealant for building structures, especially for windows and glazing

Application areas

- Wikosil-FS is a versatile silicone sealant for sealing and caulking joints and transitions on glass, beton, artificial stones, ceramics, treated wood, zink, aluminium, non-ferrous metal, PVC-hard etc.
- for window glazing, connection joints on windows, doors, tiles, for heating and ventilation pipes, cold storage rooms, wet rooms, machinery
- ideal for building construction, glass construction, window manufacture, metal construction, joint specialists, sanitary area, interior finishing, bottomer feeders, apparatus construction, industry etc.

Product benefits



- elastic
- very low-emission, fulfils GEV-Emicode EC 1 Plus
- neutral cross-linking (state-of-the-art NO-MEKO technology)
- good adhesion to most substrates used in the construction industry like glass, wood, wood-based materials, mansory (bricking), beton, eternit and metal
- good UV, weather and ageing resistance
- compatible with PVB sheet and laminated safety glass (VSG)
- fungicidal setting (sanitary area)
- almost odourless
- solvent-free (VOC-free)
- for indoor and outdoor use
- no risk of corrosion
- free of shrinkage and bubbles
- hardly any surface soiling

Base

Silicone-sealant, NO-MEKO oxime; after extrusion, the product vulcanises under the influence of humidity, forming a silicone rubber that remains elastic; so allow the silicone to evaporate freely.

Restrictions

Not suitable for oil and bitumen-containing substrates, waxy substrates, PE, PP, Teflon®. Not recommended for natural stone, mirror backsides, pools, aquarium construction. Our range of products offers you a choice.



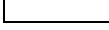
Processing

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

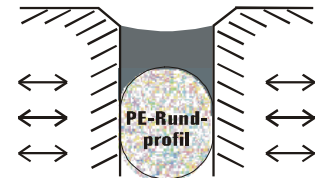
Pre-coat absorbent and porous substrates with Wi-Primer V-02.
Use Wi-Primer V-01 as a solvent-free alternative.
Clean non-absorbent surfaces with Wisatyp TL 16.
Check treated and non-absorbent surfaces with an adhesion test.

Follow the rules for joint dimensioning.
Minimum joint width: 4 mm, minimum joint depth: 4 mm
Maximum joint width: 25 mm, maximum joint depth: 12 mm

Joint depth	Joint width							
	4 mm	5 mm	6-7 mm	8-10 mm	12 mm	15 mm	20 mm	25 mm
4 mm	Optimum	Optimum	Limit	Limit	Limit	Limit	Limit	Limit
5 mm	Optimum	Optimum	Limit	Limit	Limit	Limit	Limit	Limit
6 mm	Optimum	Optimum	Limit	Limit	Limit	Limit	Limit	Limit
7 mm	Optimum	Optimum	Limit	Limit	Limit	Limit	Limit	Limit
8 mm	Optimum	Optimum	Limit	Limit	Limit	Limit	Limit	Limit
10 mm	Optimum	Optimum	Limit	Limit	Limit	Limit	Limit	Limit
12 mm	Optimum	Optimum	Limit	Limit	Limit	Limit	Limit	Limit

	Optimum dimensions for moving joints
	Limit dimension for slightly moving joints
	Dimension for non-stressed joints

Before sealing, the joints must be pre-filled by pressing in a resistant, non-absorbent, preferably convex backfill material so that there is an enlarged adhesive surface on the joint flanks. For this purpose we recommend PE round profiles from our product range.




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 filler 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/cm ³
Consistency	pasty, firm
Skin formation	after ca. 10 min under normal conditions (+23 °C, 55 % rel. humidity)
Volume shrinkage	<4 % by volume
Max. total deformation	25 % for standardised joints
Setting time	ca. 2 - 3 mm on the first day, then decreasing in depth
Recoatibility	limited colour compatible (under certain conditions) in the border area
Shore A hardness	ca. 17
Temperature resistance	-40 °C until +150 °C (after complete cross-linking)
Breaking elongation	ca. 230 % acc. to ISO 8339 ca. 600 % acc. to ISO 37 (test specimen S2)

E-modulus 100 %	ca. 0.4 N/mm ²
Repairing	can be repaired with the same material
Substrates	Glass, ceramics, enamel, wood, wood-based materials, treated wood, masonry (bricking), beton, plastering, brick, artificial stones, eternit, metal, treated aluminium, copper, zink, plastics commonly used in construction, e.g. solid PVC, ABS, acrylic (sanitary), polystyrene foam, polyester and most other substrates encountered in construction. 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 until +40 °C
Frost resistance	until -15 °C (during transport)
Certificates / Norms	<ul style="list-style-type: none">▪ GEV-EMICODE EC 1 Plus▪ EN 15651-1: F EXT-INT 25 LM (façade joints)▪ EN 15651-2: G 25 CC LM (glazing joints)▪ EN 15651-3: XS 1 (sanitary area)▪ EN 15651-4: PW EXT-INT 25 LM (floor joints)
Further information	 You can find more information about this product (link to the product on our homepage, safety data sheet, certificates, special enquiries etc.) under the adjacent ISOPIN QR code.
Item no. + Colour	FS 8441.600 transparent tubular bag à 600 ml FS 8442.600 white
Delivery form	carton box of 12 tubular bags à 600 ml Other colours / delivery forms possible on request for corresponding quantities.
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 16 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.