Wikosil®-NB

Neutral crosslinking, elastic silicone sealant for constructions

Application areas

- Wikosil-NB is a versatile silicone sealant for sealing and caulking joints as well as for transitions on glass, concrete, 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 etc.
- ideal for building construction, glass construction, window manufacture, metal construction, joint specialists, sanitary areas, interior finishing, bottomer feeders, apparatus construction, industry etc.

Product benefits

- elastic
- 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, masonry, concrete, eternit and metal
- good UV, weather and ageing resistance
- compatible with PVB sheets laminated safety glass
- almost odourless
- solvent-free (VOC-free)
- very low-emission, fulfils GEV-Emicode EC 1 Plus
- for indoor and outdoor use
- no risk of corrosion
- free of shrinkage and bubbles
- hardly any surface soiling

Base

NO-MEKO oxime; 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 oil and bitumen-containing substrates, waxy substrates, PE, PP, PC, PMMA, Teflon®.
Not recommended for natural stone, mirror backsides, pools, aquarium construction.
Our range of products offers you a choice.

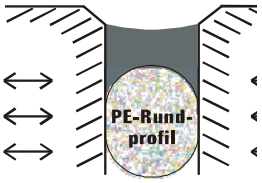
Cleaning agents

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

The bonding surfaces must be sound, dry and free of dust and grease.
Pre-coat absorbent and porous substrates with Wi-Primer V-01.
Clean non-absorbent surfaces with Wisatyp TL 16.
Check treated and non-absorbent surfaces with an adhesion test. In most cases, adhesion can be improved with Wi-Primer V-23 or Wi-Primer V-03.

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.



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

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

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/ml (except of NB 7102 **white** : ca. 1.22 g/ml)
Consistency	pasty, firm
Skin formation	5-10 under normal conditions (+23 °C, 55 % rel. humidity)
E-modulus 100 %	ca. 0.3 N/mm^2 acc. to DIN 53504 S2
Volume shrinkage	<3 % by volume
Max. total deformation	25 % for standardised joints
Setting time	ca. 2 - 3 mm on the first day, then decreasing in depth

Wikosil®-NB

Recoatability	limited colour compatible (under certain conditions) in the border area
Shore A hardness	ca. 20 (+/- 5) acc. to DIN 53505
Temperature resistance	from -50 °C up to +150 °C (after complete cross-linking)
Breaking elongation	350 - 700 % (dep. on the type and the standard)
Tensile strength	ca. 1.2 N/mm^2
Repairing	can be repaired with the same material
Substrates	Glass, ceramics, enamel, wood, wood-based materials, treated wood, masonry, concrete, plastering, brick, artificial stones, eternit, metal, treated aluminium, copper, zink, plastics commonly used in construction, e.g. solid PVC, ABS, acrylic (sanitary), polyester and most other substrates encountered in construction. For further surfaces, you will need to carry out your own tests.
Processing temperature	from +5 °C up to +40 °C
Frost resistance	up to -15 °C (during transport)
Certificates / Norms	▪ GEV-EMICODE EC 1 Plus ▪ EN 15651-1: F EXT-INT 25 LM (façade joints) ▪ EN 15651-2: G 25 LM (glazing 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	cartridge of 310 ml	tubular bag of 600 ml
Quality note: NB 71XX: fungicide-cured* NB 74XX: without fungicide	**NB 7101 transparent*** **NB 7102 white***	**NB 7101.600 transparent*** **NB 7102.600 white***
	NB 7401 transparent **NB 7408 light grey** **NB 7413 medium grey** **NB 7406 black**	**NB 7401.600 transparent** **NB 7402.600 white**

Delivery form	Packing unit of 12 cartridges of 310 ml Packing unit of 12 tubular bags of 600 ml 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 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. - 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.