

Technical Data Sheet

Wikosil®-color

Universal applicable, elastic silicon sealant for gluing and sealing; already available from one cartridge in each color.

Applications

As a universally applicable silicon sealant for elastic gluing and sealing in the entire construction and industrial sector, in particular in window installation, glass construction, sanitary sector, carpentry, metallurgy, etc. Elastic, neutrally curable, weatherproof and age-resistant, has good fungicidal properties and is paint-friendly on its border. Wikosil-color gives no so-called border contamination and is therefore also permitted for delicate surfaces such as marble or granite.

Wikosil-color is available off the shelf in 27 standard colors. We can deliver in any color tone per order.

Top bonding to glass, wood, wooden composites, parquet, masonry, concrete, stone, natural stone, eternity, metal and most construction materials. For more see section on Surfaces.

Limitations

Do not apply Wikosil-color to surfaces containing oil and bitumen, PE, PP & Teflon.
For rear sides of mirrors and aquariums special products are available.

Base

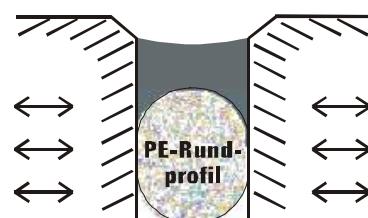
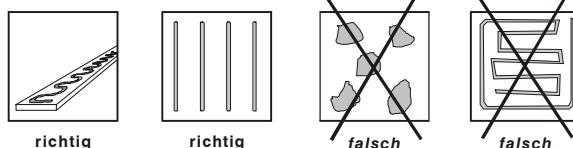
Wikosil-color is a neutral curing, ready-to-use one-component silicon sealant, specially modified as "Allround-Silicon." The sealant cures after extrusion under the influence of humidity to an elastic silicon rubber. There is no risk of corrosion.

Processing

The active surfaces must be sustainable, dry, clean, dust- and grease-free. Pre-treat strongly absorbent and porous surfaces (for more see section on Primer). The joint to be sealed should be at least 4 mm wide and 4 mm deep. The maximum joint width should not exceed 25 mm, the maximum joint depth 10 mm. In the case of joints over 10 mm, the depth should be no more than half the joint width. Before sealing, the joint should be pre-filled with a resistant, non-absorbent, possibly convex backfill material, so that an enlarged active surface remains on the joint flanks (ex: closed cell PE round profile). It is recommended to cover the joint edges with masking tape, so that a clean and even seal can be ensured. The sealant must be extruded in such a way as to ensure a sufficient pressing effect on the joint flanks. It is especially important to make sure that no air bubbles are trapped in the joint sealer. The pressed-in sealant should be smoothed immediately with a suitable sealant spackle. As a dampening liquid, our Wikofix GM 52 smoothing agent had proven best in practice. We are not responsible for damages incurred through the use of standard cleaning agents. The masking tape should be removed immediately after application and smoothing.

Please note:

- A) When gluing
- B) When sealing



A) Wikosil-color as an adhesive: Vertical, bead-shaped application is recommended, so that sufficient feed of air humidity is ensured during curing. If possible: occasionally break up longer beads.

B) Wikosil-color as Sealant:
Scheme of a correctly-dimensioned joint with backfill material.



Wisabax AG Grossmatte 21 **CH-6014 Luzern-Littau**

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wisabax ag
Chemie und Technik

Character	Elastic, neutrally curing		
Density	Colors: Approx. 1.27 g/cm ³ / Transparent: 1.04 g/cm ³		
Consistency	Pasty, stable		
Skin formation	After 5-10 min at 23°C und 55% relative humidity		
Maximum permissible total deformation	25 % with correctly dimensioned joints (see figure in front)		
Shrinkage	2-3 volume-%		
Setting time / Curing	2-3 mm on first day, continually decreasing on depth		
Paintability	Paint coating compatible in edge area		
Shore A Hardness	Approx. 25		
Temperature Resistance	-40°C to +160°C (after complete curing)		
Elongation to break	About 350%		
Repair possibility	Using the same material		
Surfaces	Ceramic, Enamel, Glass (also etched or sandblasted), wood, wooden composites, parquet, masonry, concrete, plaster, brick, clinker brick, stone, natural stone, marble, granite, sandstone, eternit, metal, treated aluminum, copper, zinc, plastics common in construction such as hard PVC, polyacrylate (acrylic glass), acrylic (sanitary), polystyrene and most surfaces existing in construction.		
Cleaning	For the cleaning and degreasing of most non-absorbent active surfaces, Wlsatyp TL 16 have proven well. For polyacrylate (acrylic glass) and polycarbonate use only Wisaclean R 216. Wash hands with water and soap.		
Primer	With a clean, compact surface no primer is normally necessary. In case of doubt we recommend conducting an adhesion test. Highly absorbent and porous surfaces can be solidified with Wi-Primer V-06. Use Wi-Primer V-07 for natural stone.		
Processing temperature	From +5 °C to +40 °C		
Processing tools	Manual gun, Battery-operated gun or compression-air gun for standard cartridges		
27 Standard colors	NSC 6401 transparent NSC 6402 white NSC 6418 joint white NSC 6438 gray-white NSC 6423 pearl gray NSC 6419 jasmine/light beige NSC 6409 pale gray NSC 6408 light gray NSC 6415 manhattan gray	NSC 6403 concrete gray NSC 6413 dark gray NSC 6407 anthracite NSC 64 RAL 7016 anthracite gray NSC 6406 Black NSC 6432 light pine NSC 6447 bahama beige NSC 6424 beige gray NSC 6442 wood beige	NSC 6429 maple NSC 6446 beech - undamped NSC 6411 oak NSC 6434 beech/dark beige NSC 6439 beech-red NSC 6414 light brown NSC 6449 medium-brown NSC 6404 dark brown NSC 6427 dark brown-gray
Special coloring according to RAL or NCS	Wikosil-color is available already from a single cartridge in any producible color tone. Individual coloring only per written order (fax, email, ...) specifying the desired NCS or RAL color tone. Delivery time for special coloring about 2 weeks.		
Precautionary measures	Avoid eye and skin contact. If necessary wash immediately with plenty of water. Maintain due diligence when handling chemicals. Keep away from children. Contains 2-Butanonoim: May cause allergic reactions. Safety sheet for professional users available upon request.		
Storage	In closed original packaging, in a cool and dry place, according to the expiration date.		
Form of delivery	Standard colors from stock in cartons of 12 cartridges à 310 ml volume available.		

Please note: Any information is based on thorough research in laboratories and our experiences up-to-date in practice. This is non-bonding advice. Given the abundance of materials appearing on the market and the various processing methods that lay beyond our areas of influence, we understandably cannot accept responsibility, not even as regards patent law, for the failure of your work. We recommend that you determine, based on your own sufficient testing, as to whether the product will meet your requirements. In other cases, please refer to our sales, delivery and payment conditions.