

## MS polymer sealant + adhesive for ventilation ducts, sterile areas, joints and bonding work, with fungicidal and bactericidal properties

### Application areas

Sealant and elastic adhesive for

- air ventilation ducts
- kitchen exhaust air systems
- food industry
- clean rooms, hospitals, industry
- building construction joints (for indoor and outdoor use, F 25 HM)
- assembly works (elastic mounting adhesive)

### Product benefits



- fungicidal + bactericidal setting: highest possible rating «0», meaning
- complies with DIN EN ISO 846:2019 method A (fungus resistance) and method C (bacteria resistance)
- meets the requirements of VDI 6022(1):2018 for air conditioning systems
- ISEGA Declaration of no objection (food industry)
- solvent-free (VOC-free), fulfils GEV-Emicode EC 1 Plus
- permanently elastic, high-modulus
- good UV, weather and ageing resistance
- practically odourless
- rapid through-curing
- no risk of corrosion
- good adhesion to most, even slightly damp substrates
- recoatable, lacquerable

### Base

MS-Polymer(hybrid); cross-linking is chemically neutral with air humidity, therefore allow the sealant to air freely.

### Restrictions

Not suitable for PE, PP, Teflon®, bitumen, waxy substrates, glazing. Adhesion to transparent materials under the direct influence of UV rays on the adhesive surface is only guaranteed to a limited extent in the long term.

Not recommended for direct contact with food.

### 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 and free of dust and grease. Pre-coat absorbent and porous substrates with Wi-Primer V-02. Clean non-absorbent surfaces with Wisatyp TL 16.

Check treated and non-absorbent surfaces with an adhesion test. In many cases, the adhesion of delicate surfaces can be significantly improved with the following primer: Wi-Primer V-23 or Wi-Primer V-03.

The sealant must be applied in such a way that sufficient pressure is exerted on the joint flanks. Apply a suitable joint spatula to the pressed sealant prior to 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.

Follow the rules for joint dimensioning.

When used as an adhesive, join the parts to be glued together before skin formation; if necessary, fix until sufficient strength is achieved.

<b>Density</b>	ca. 1.5 g/ml
<b>Consistency</b>	pasty, firm
<b>Skin formation</b>	ca. 15 min under normal conditions (+23 °C, 60 % rel. humidity)
<b>Volume shrinkage</b>	<3 % by volume
<b>Max. total deformation</b>	25 % under continuous strain in practice (F 25 HM)
<b>Setting time</b>	ca. 3 - 4 mm on the first day, then decreasing in depth
<b>Recoatability</b>	Can be overpainted wet-on-wet with many lacquers immediately after application. Can be painted over after complete cross-linking with most paint systems, except mineral paints.  Due to the many colour formulations used in practice, own tests are necessary. The use of alkyd resins and synthetic resin paints may cause a delay in the drying process.  Hint: Moving joints generally should not be painted over, as most paints cannot cope with large movements, which can lead to cracking of the paint later on.
<b>Shore A hardness</b>	ca. 45
<b>Temperature resistance</b>	from -40 °C up to +90 °C (after complete cross-linking)
<b>Breaking elongation</b>	ca. 380 %
<b>Recovery capacity</b>	>85 %
<b>Tensile strength</b>	ca. 1.1 N/mm <sup>2</sup> (acc. to DIN 53504)
<b>Repairing</b>	can be repaired with the same material
<b>Substrates</b>	Aluminium, steel, galvanized steel, non-ferrous metals, concrete, plastering, wood-based materials, masonry, ceramics, PVC-hard, polyester, many thermoplastics and duroplastic plastics (except PE and PP). For further surfaces, you will need to carry out your own tests.
<b>Processing temperature</b>	from +5 °C up to +40 °C
<b>Frost resistance</b>	up to -15 °C (during transport)

## Certificates / Norms

- VDI 6022(1):2018 Test certificate BT-20-12-16-02
- DIN EN ISO 846:2019 Method A: Resistance to fungi (fungal growth test), no fungal growth (evaluation figure «0»)
- DIN EN ISO 846:2019 Method C: Resistance to bacteria (bacterial growth test) no bacterial growth (evaluation figure «0»)
- ISEGA security clearance certificate
- GEV-EMICODE EC 1 Plus

## 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

LKD 4502 white  
LKD 4503 grey  
LKD 4506 black

Further colours upon request.

## Delivery form

Packing unit of 12 cartridges of 300 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 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.

**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](http://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.