

Glass-clear, transparent, elastic MS polymer adhesive and sealant

Application areas	▪ elastic mounting adhesive for the interior zone and for UV-protected outdoor use ▪ sealant for the interior zone (EN 15651-1: F INT) ▪ for special applications
Product benefits	▪ glass clear-transparent ▪ elastic, high-modulus ▪ rapid through-curing ▪ high final strength ▪ high mechanical load capacity ▪ solvent-free (VOC emission class A+) ▪ almost odourless ▪ recoatable, lacquerable ▪ seam and joint filling ▪ good adhesion to most, even slightly damp substrates like glass (indoors), metals, concrete, wood-based materials, many plastics etc. ▪ non-foaming, free of shrinkage and bubbles ▪ no risk of corrosion ▪ absorbs acoustic and mechanical vibrations
Base	MS-Polymer (Hybrid); cross-linking is chemically neutral with air humidity, therefore allow the sealant to air freely.
Restrictions	Not suitable for use in standing water, chlorinated water (pools), aquariums, vitrification, mirrors, PE, PP, PC, PTFE (Teflon®), bitumen, neoprene, oil and wax containing substrates, natural stone. 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. Over time, the color may change, especially when not exposed to UV light, and develop an amber hue.
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 highly 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 many cases, the adhesion of delicate surfaces can be significantly improved with the following primer: Wi-Primer V-23 (or Wi-Primer V-03).
Processing as sealant	We recommend masking the edges of the joint with masking tape to ensure a clean and straight joint. 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. Follow the rules for joint dimensioning. Minimum joint width: 5 mm, minimum joint depth: 5 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								
5 mm								
6 mm								
7 mm								
8 mm								
10 mm								
12 mm								

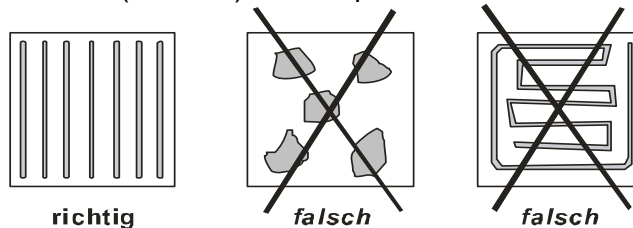
	Optimum dimensions for moving joints
	Limit dimension for slightly moving joints
	Dimension for non-stressed joints

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.

Processing as adhesive

Apply the adhesive evenly at intervals of approx. 10 cm in vertical beads. If possible, interrupt longer beads occasionally. Join the parts to be glued together before skin formation; if necessary, fix until sufficient strength is achieved (ca. 24 h). Do not press the adhesive too flat.



To ensure this in practice, we also recommend using single-sided or double-sided adhesive tape for critical applications (e.g. Wikofix-DK) with a thickness of about 3 mm to distribute the distances evenly.

Density

ca. 1.06 g/ml

Consistency

pasty, firm

Skin formation

ca. 10 min under normal conditions (+23 °C, 50 % rel. humidity)

Volume shrinkage

<3 % by volume

Max. total deformation

ca. 20 % under continuous strain in practice

Setting time

ca. 3 mm on the first day, then decreasing in depth

Recoatability

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.

Shore A hardness	ca. 40 (±5)
E-modulus 100 %	ca. 1 N/mm ² (acc. to DIN 53504 S2)
Temperature resistance	-40 °C up to +90 °C (after complete cross-linking)
Breaking elongation	ca. 450 % (acc. to DIN 53504 S2)
Tensile strength	ca. 3 N/mm ² (acc. to DIN 53504 S2)
Repairing	can be repaired with the same material
Substrates	Glass (covered), wood, wood-based materials, treated wood, concrete, compact masonry, ceramics, enamel, treated aluminium, steel, galvanized steel, non-ferrous metals, PVC-hard, polyester, epoxy, polystyrene foam (EPS/XPS), many thermoplastics and duroplastic plastics (except PE and PP). 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	EN 15651-1: F INT
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	PKD 6101 glass clear-transparent - cartridge of 290 ml / 307 g Note: Over time, the color may change, especially when not exposed to UV light, and develop an amber hue.
Delivery form	Packing unit of 12 cartridges of 290 ml / 307 g
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 12 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.