

## Hybrid polymer adhesive for structural, slightly elastic bonding applications; sprayable, easy to spread, paintable

### Application areas

Latest generation high quality hybrid polymer adhesive for professional use

- in vehicle construction e.g. for vehicle superstructures, as a sprayable anti-drumming or anti-corrosion coating (protective undercoating)
- in the entire building sector, specifically for use indoors and for smaller parts in outdoor areas
- for bonding and sealing aluminium corner brackets
- for natural stone or wood / metal bonding (sign fixing)
- in the floor area (stair treads, skirting boards, laminate installation)
- in engineering industry
- for glass bondings in furniture and display case construction (indoor area)
- for solar and wind power plants
- ideal for vehicle -manufacturing, industry, handicraft, timber construction, carpenters, window and door construction, metal construction, glass workshops etc.

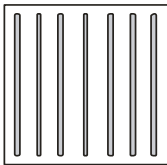
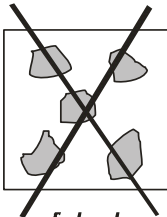
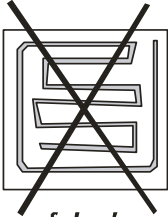
### Product benefits




- extremely favourable processing viscosity, can be easily applied with a paint brush or a paint spatula, mouldable and structurable and also sprayable
- above-average hardness for hybrid adhesives
- above-average tensile strength and tensile shear strength
- low consumption (is pressed down to «0»)
- cost-saving, as no minimum layer thickness is required
- easy to squeeze out of cartridges
- processable / workable from 0 °C (recommendation: from +5 °C)
- compatible with natural stone
- good adhesion to the majority of substrates used in the construction industry, even those that are slightly damp like wood-based materials, masonry, metals, aluminium, natural stone, many plastics etc.
- recoatable, lacquerable
- tough yet elastic plastic up to semi-hard
- seam and joint filling
- spot-weldable
- no labelling obligation
- solvent-free (VOC-free)
- very low-emission, fulfils GEV-Emicode EC 1 Plus
- almost odourless
- no risk of corrosion
- non-foaming, low shrinkage
- humidity resistant
- good UV and weather resistance
- for indoor and outdoor use

### Base

Silane-modified polymers (SMP) of the latest generation; cross-linking is chemically neutral with air humidity.

<b>Restrictions</b>	The product is NOT a sealant! Not suitable for use in standing water, chlorinated water (pools), joints, PE, PP, PC, PMMA, PTFE (Teflon®), soft plastics, neoprene, bitumen and waxy substrates. When bonding different materials (especially outdoors), the thermal linear expansion of the different materials must be taken into account; if necessary, use an elastic assembly adhesive.
<b>Cleaning agents</b>	Wisatyp TL 16 or Wisaclean R 216 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.
<b>Processing</b>	<p>The bonding surfaces must be sound and free of dust and grease. Sanding or roughening can improve adhesion on delicate substrates. Pre-coat highly absorbent and porous substrates with Wi-Primer V-01. Clean non-absorbent surfaces with Wisatyp TL 16 or Wisaclean R 216.</p> <p>Check treated and non-absorbent surfaces with an adhesion test.</p> <p>Use Wi-Primer V-23 for hard PVC and other hard plastics. In most cases, Wi-Primer V-23 significantly improves adhesion.</p>
<b>To be considered when bonding</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>richtig</p> </div> <div style="text-align: center;">  <p>falsch</p> </div> <div style="text-align: center;">  <p>falsch</p> </div> </div> <p>Apply the adhesive to one side and join the parts together before skin formation ensuring fixation. For surface bonding of non-absorbent materials, we recommend either applying the adhesive in beads from top to bottom or, for full-surface application, dusting the adhesive <u>finely</u> with water. This ensures rapid and complete curing of the adhesive. In the latter case, we recommend moving the workpieces against each other so that the water is optimally distributed in the adhesive. For stair treads, we recommend applying the adhesive over the entire surface if possible.</p>
<b>Density</b>	ca. 1.6 g/ml (acc. to EN 542, at +23 °C)
<b>Consistency</b>	low viscous, pasty, but still firm
<b>Skin formation</b>	ca. 9 min under normal conditions (+23 °C, 50 % rel. humidity)
<b>Volume shrinkage</b>	<3 % by volume
<b>Setting time</b>	ca. 2 - 3 mm on the first day, then decreasing in depth
<b>Recoatability</b>	<p>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.</p> <p>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.</p>

<b>Shore A hardness</b>	ca. 75 (acc. to DIN 53505)
<b>Temperature resistance</b>	from -40 °C up to +90 °C (after complete cross-linking) for a short time up to +120 °C
<b>Processing temperature</b>	from 5 °C up to +35 °C
<b>Frost resistance</b>	up to -30 °C (during transport)
<b>Tensile strength</b>	ca. 5.3 N/mm <sup>2</sup>
<b>Tensile shear strength</b>	ca. 4.5 N/mm <sup>2</sup> (0.2 mm adhesive joint) ca. 3.6 N/mm <sup>2</sup> (1.0 mm adhesive joint) ca. 3.4 N/mm <sup>2</sup> (3.0 mm adhesive joint)
<b>Breaking elongation</b>	ca. 135 % (acc. to DIN 53504)
<b>Repairing</b>	can be repaired with the same material
<b>Substrates</b>	Aluminium, steel, galvanized steel, concrete, compact masonry, natural stone like marble, granite, sandstone, glass (indoor area), ceramics, enamel, PVC-hard, polyester, epoxy, polystyrene foam (EPS/XPS), many thermoplastics and duroplastic plastics (except PE and PP), wood, wood-based materials and many other materials. In case of other surfaces, own tests are required.
<b>Certificates / Norms</b>	GEV-EMICODE EC 1 Plus
<b>Further information</b>	 <p>More information about this product (current technical data sheet, safety data sheet, certificates, product variants, etc.) can be found via the adjacent QR code.</p>
<b>Item no. + Colour</b>	<b>HPK 675.02 white</b> cartridge of 310 ml / 490 g <b>HPK 675.06 black</b>
<b>Delivery form</b>	Packing unit of 12 cartridges of 310 ml / 490 g
<b>Shelf life</b>	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 18 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.